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DEPARTMENT OF THE INTERIOR,

CENSUS OFFICE.

FRANCIS A. WALKER,
Superintendent.
Appointed April 1, 1879;
Resigned November 3, 1881.

CHAS. W. SEATON,
Superintendent.
Appointed November 4, 1881.

COMPENDIUM

OF

THE TENTH CENSUS

(JUNE 1, 1880),

COMPILED PURSUANT TO

AN ACT OF CONGRESS APPROVED AUGUST 7, 1882.

PART II.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
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MANUFACTURES.

REMARKS ON THE STATISTICS OF MANUFACTURES.

These tables include every establishment of mechanical or manufacturing industry which was returned at the Tenth Census as having had during the census year a product of five hundred dollars or more in value.

The following exceptions should be noted, viz:

1. The manufacture of fishery products is exhibited under Fisheries. 2. Quartz milling and petroleum refining are exhibited under Mining and Quarrying. 3. The manufacture of gas, and manufacturing by steam railroad companies, will be made the subjects of separate reports.

Establishments, wherever practicable, have been referred to the locality where *the works* were situated.

The statistics of cotton goods include: (1) specific mills, *i. e.*, mills which manufacture cotton into a fabric known and sold under that name; and (2) special mills, working raw cotton, waste, or cotton yarn into hose, webbing, tapes, fancy fabrics, or mixed goods, or other fabrics which are not sold as specific manufactures of either cotton or wool.

Dyeing and finishing textiles do not include the statistics of establishments connected with cotton, woolen, or silk factories, but only the operations of independent dye-works, bleacheries, and print-works, the values of the products reported being merely the values added to the fabrics by the processes of these establishments.

The statistics of iron and steel manufacture embrace blast furnaces, bloomaries, and forges, rolling mills, and steel works of all kinds.

Shipbuilding includes the building and repairing of iron and wooden vessels of all classes, boats and canal-boats, and the manufacture of blocks and spars, marine engines, oakum, oars, and sails. The operations of the various navy-yards of the United States are not included.

In all comparisons between values reported in 1870 and in 1880 it should be borne in mind that *the values of* 1870 *were expressed in a currency which was at a great discount in gold.* The average premium on gold during the twelve months (June 1, 1869, to May 31, 1870) which constituted the census year was almost exactly one-fourth (25.3) per cent. A premium on gold of one-fourth is equal to a discount on currency of one-fifth. For purposes of comparison, therefore, the values of 1870 should be reduced in that ratio.

The fact that, in the face of a large increase in the number of hands employed in manufactures, of the amount of material consumed, and of the values of the products, THE NUMBER OF ESTABLISHMENTS shows hardly an appreciable gain from 1870 to 1880, notwithstanding an increase of 30 per cent. in population, is amply accounted for by the well-known tendency to the concentration of labor and capital in large shops and factories. The establishments of 1870 showed 8 as the average number of hands and $8,400 as the average amount of capital; those of 1880 showed 10.7 as the average number of hands and $10,992 as the average amount of capital. A very good example of the effect of this cause is found in the coopers' trade, where, with a reduc-

tion in the number of establishments from 4,961 to 3,898 (or 22 per cent. nearly), the hands employed have increased 11 per cent. This cause has not, however, operated equally to produce a proportional reduction in all branches of industry. Thus, in the carpenters' trade (*a*) we have the average number of hands employed 5.9 in 1880, against 3.9 in 1870. But this increase in the average number of hands does not alone explain the decrease in the number of establishments. We have also to take into account the effect of the growth of the sash, door, and blind factories, doing on a large scale and by the aid of machinery what was formerly done slowly on the spot by the individual carpenter. We have, then, to take into account the growth of the wheelwright trade. In 1870 there were 3,613 establishments, employing an aggregate of 6,989 hands; in 1880 there were 10,701, employing 16,108 hands. We have next to take into account the introduction of machinery into the furniture and cabinet-making industry, replacing much of the former work of the local carpenter in rural districts and small towns. We have then to consider the immense extension of the contract system of erecting buildings, the effect of which is to disconnect an increasing proportion of the working carpenters of every city or large town from actual shops and constitute them a movable, readily disposable force, to be hired now by this contractor and now by that, according as jobs arise. We have, last, to consider the rapid substitution of brick and stone for wood in building, evidenced by the fact that the number of persons employed in the manufacture of brick in the United States has increased more than 50 per cent. in ten years. In the same way, while the cross-roads blacksmith-shop is still a necessity of tens of thousands of localities, very much of the work formerly done by blacksmiths is now done on a larger scale by wheelwrights, locksmiths, or machinists, or in hardware factories or establishments producing numerous specialties in iron and steel.

Space will not allow us to take up trade after trade to indicate the conditions which have affected its rate of growth during the decade just past; but the above will serve to show the variety and the nicety of the considerations which require to be taken into account in this connection.

---

[a] The statistics of manufactures in a census of the United States have never embraced the full production of the hand-trades of mason, carpenter, blacksmith, cooper, painter, plumber, and perhaps some others of less importance. The reason for this is stated in the remarks which preface the tables of occupations. In the text above we assume that the tendency to omit the productions of artisans working singly at these trades, having perhaps no distinct shops, and working perhaps (in rural districts) but a part of the year, operated with approximately equal force in 1870 and 1880.

TABLE L.—*Manufactures by totals of States and Territories for the censuses of* 1880, 1870, 1860, *and* 1850.

1880.

States and Territories.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Value of materials.	Value of products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The United States	253, 852	2, 790, 272, 606	2, 019, 035	531, 639	181, 921	947, 953, 795	3, 396, 823, 549	5, 369, 579, 191
Alabama	2, 070	9, 668, 008	8, 368	842	809	2, 500, 504	8, 545, 520	13, 565, 504
Arizona	66	272, 600	216	2	2	111, 180	380, 023	618, 365
Arkansas	1, 202	2, 953, 130	4, 307	90	160	925, 358	4, 392, 080	6, 756, 159
California	5, 885	61, 243, 784	38, 311	3, 922	1, 460	21, 065, 905	72, 607, 709	116, 218, 973
Colorado	599	4, 311, 714	4, 652	266	156	2, 314, 427	8, 806, 762	14, 260, 159
Connecticut	4, 488	120, 480, 275	75, 619	28, 851	8, 445	43, 501, 518	102, 183, 341	185, 697, 211
Dakota	251	771, 428	854	8	6	339, 375	1, 523, 761	2, 373, 970
Delaware	746	15, 655, 822	10, 250	1, 426	962	4, 267, 349	12, 828, 461	20, 514, 438
Dist. of Columbia	971	5, 552, 526	5, 496	1, 389	261	3, 924 612	5, 365, 400	11, 882, 316
Florida	426	3, 210, 680	4, 564	558	382	1, 270, 875	3, 040, 119	5, 546, 448
Georgia	3, 593	20, 672, 410	18, 937	3, 619	2, 319	5, 266, 152	24, 143, 939	36, 440, 948
Idaho	162	677, 215	374	8	6	136, 326	844, 874	1, 271, 317
Illinois	14, 549	140, 652, 066	120, 558	15, 233	8, 936	57, 429, 085	289, 843, 907	414, 864, 673
Indiana	11, 198	65, 742, 962	62, 072	3, 615	3, 821	21, 966, 888	100, 262, 917	148, 006, 411
Iowa	6, 921	33, 987, 886	25, 362	1, 431	1, 559	9, 725, 962	48, 704, 311	71, 045, 926
Kansas	2, 803	11, 192, 315	11, 139	392	531	3, 995, 010	21, 453, 141	30, 843, 777
Kentucky	5, 328	45, 813, 039	30, 949	3, 529	2, 913	11, 657, 844	47, 461, 890	75, 483, 377
Louisiana	1, 553	11, 462, 468	10, 171	1, 335	651	4, 369, 371	14, 442, 506	24, 205, 183
Maine	4, 481	49, 988, 171	35, 431	13, 777	3, 746	13, 623, 318	51, 120, 708	79, 829, 793
Maryland	6, 787	58, 742, 384	46, 698	21, 700	6, 547	18, 904, 963	66, 937, 846	106, 780, 563
Massachusetts	14, 352	303, 806, 185	228, 834	105, 976	17, 445	128, 315, 362	386, 972, 655	631, 135, 284
Michigan	8, 873	92, 930, 959	68, 445	4, 784	4, 362	25, 313, 683	92, 900, 269	150, 715, 025
Minnesota	3, 493	31, 004, 811	18, 937	1, 636	674	8, 613, 094	55, 660, 681	76, 065, 198
Mississippi	1, 479	4, 727, 600	4, 857	413	527	1, 192, 645	4, 667, 183	7, 518, 302
Missouri	8, 592	72, 507, 814	54, 200	5, 474	4, 321	24, 309, 716	110, 793, 392	165, 386, 205
Montana	196	899, 390	574	3	1	318, 751	1, 006, 442	1, 835, 867
Nebraska	1, 403	4, 881, 150	4, 464	120	209	1, 742, 311	8, 298, 478	12, 627, 336
Nevada	184	1, 323, 300	556	5	16	461, 807	1, 049, 794	2, 179, 626
New Hampshire	3, 181	51, 112, 263	29, 356	16, 184	3, 291	14, 814, 723	43, 552, 462	73, 978, 028
New Jersey	7, 128	106, 226, 593	86, 787	27, 099	12, 152	46, 083, 045	165, 285, 779	254, 380, 236
New Mexico	144	463, 275	553	.....	4	218, 731	871, 352	1, 284, 846
New York	42, 739	514, 246, 575	364, 549	137, 455	29, 529	198, 634, 029	679, 612, 545	1, 080, 696, 596
North Carolina	3, 802	13, 045, 639	12, 818	2, 939	2, 352	2, 740, 768	13, 090, 937	20, 005, 037
Ohio	20, 699	188, 939, 614	152, 217	18, 563	12, 829	62, 103, 800	215, 334, 258	348, 298, 390
Oregon	1, 080	6, 312, 056	3, 280	96	97	1, 667, 046	6, 954, 436	10, 931, 232
Pennsylvania	31, 232	474, 510, 993	284, 359	73, 046	29, 667	134, 055, 904	465, 020, 563	744, 818, 445
Rhode Island	2, 205	75, 575, 943	37, 060	18, 270	7, 548	21, 355, 619	58, 103, 443	104, 163, 621
South Carolina	2, 078	11, 205, 894	13, 687	1, 023	1, 118	2, 836, 289	9, 805, 538	16, 738, 008
Tennessee	4, 326	20, 092, 845	19, 575	1, 196	1, 674	5, 254, 775	23, 834, 262	37, 074, 886
Texas	2, 996	9, 245, 561	11, 645	116	398	3, 343, 087	12, 956, 269	20, 719, 928
Utah	640	2, 656, 657	2, 042	221	232	858, 863	2, 561, 737	4, 324, 992
Vermont	2, 874	23, 265, 224	14, 438	2, 271	831	5, 164, 479	18, 330, 677	31, 354, 366
Virginia	5, 710	26, 968, 990	28, 779	6, 144	5, 261	7, 425, 261	32, 883, 933	51, 780, 992
Washington	261	3, 202, 497	1, 110	25	12	532, 226	1, 967, 169	3, 250, 134
West Virginia	2, 375	13, 883, 300	12, 900	346	1, 065	4, 313, 965	14, 027, 388	22, 867, 126
Wisconsin	7, 674	73, 821, 802	48, 255	6, 241	2, 613	18, 814, 917	85, 796, 178	128, 255, 480
Wyoming	57	364, 673	380	.....	11	187, 798	601, 214	898, 494

TABLE L.—*Manufactures by totals of States and Territories*—Continued.

1870.

States and Territories.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Value of materials.	Value of products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
United States	252,148	2,118,208,769	1,615,598	323,770	114,628	775,584,343	2,488,427,242	4,232,325,442
Alabama	2,188	5,714,052	7,196	664	388	2,227,968	7,592,837	13,040,644
Arizona	18	150,700	84	.....	.....	45,580	110,090	185,410
Arkansas	1,079	1,782,913	3,077	47	82	673,963	2,536,998	4,629,234
California	3,984	39,728,202	24,040	873	479	13,136,722	35,351,193	66,594,556
Colorado	256	2,835,605	874	2	.....	528,221	1,593,280	2,852,820
Connecticut	5,128	95,281,278	61,684	20,810	7,029	38,987,187	86,419,579	161,065,474
Dakota	17	79,200	89	.....	2	21,106	105,997	178,570
Delaware	800	10,839,093	7,705	1,199	806	3,692,195	10,206,397	16,791,382
Dist. of Columbia	952	5,021,925	4,333	216	136	2,007,600	4,754,883	9,292,173
Florida	659	1,679,930	2,670	20	59	989,592	2,330,873	4,685,403
Georgia	3,836	13,930,125	15,078	1,498	1,295	4,844,508	18,583,731	31,196,115
Idaho	101	742,300	264	.....	1	112,372	691,785	1,047,624
Illinois	12,597	94,368,057	73,045	6,717	3,217	31,100,244	127,600,077	205,620,672
Indiana	11,847	52,052,425	54,412	2,272	2,168	18,366,780	63,135,492	108,617,278
Iowa	6,566	22,420,183	23,395	951	686	6,893,292	27,682,096	46,534,322
Kansas	1,477	4,319,060	6,599	118	127	2,377,511	6,112,163	11,775,833
Kentucky	5,390	29,277,809	27,687	1,159	1,790	9,444,524	29,497,535	54,625,809
Louisiana	2,557	18,313,974	23,637	4,210	2,224	4,593,470	12,412,023	24,161,905
Maine	5,550	39,796,190	34,310	13,448	1,422	14,282,205	49,379,757	79,497,521
Maryland	5,812	36,438,729	34,061	8,278	2,521	12,682,817	46,897,032	76,593,613
Massachusetts	13,212	231,677,862	179,032	86,229	14,119	118,051,886	334,413,982	553,912,568
Michigan	9,485	71,712,283	58,347	2,941	2,406	21,205,355	68,142,515	118,394,676
Minnesota	2,270	11,993,729	10,892	259	139	4,052,837	13,842,902	23,110,700
Mississippi	1,731	4,501,714	5,500	191	250	1,547,428	4,364,206	8,154,758
Missouri	11,871	80,257,244	55,904	3,884	5,566	31,055,445	115,533,269	206,213,429
Montana	201	1,794,300	697	2	2	370,843	1,316,331	2,494,511
Nebraska	670	2,169,963	2,558	81	26	1,429,913	2,902,074	5,738,512
Nevada	330	5,127,790	2,856	3	.....	2,498,473	10,315,984	15,870,539
New Hampshire	3,342	36,023,743	25,829	12,775	2,179	13,823,091	44,577,967	71,038,249
New Jersey	6,636	79,606,719	58,115	11,198	6,239	32,648,409	103,415,245	169,237,732
New Mexico	182	1,450,695	423	1	3	167,281	880,957	1,489,868
New York	36,206	366,994,320	267,378	63,795	20,627	142,466,758	452,065,452	785,194,651
North Carolina	3,642	8,140,473	11,339	1,422	861	2,195,711	12,824,693	19,021,327
Ohio	22,773	141,923,964	119,686	11,575	5,941	49,066,488	157,131,697	269,713,610
Oregon	969	4,376,849	2,753	67	64	1,120,173	3,419,756	6,877,387
Pennsylvania	37,200	406,821,845	256,543	43,712	19,232	127,976,594	421,197,673	711,894,344
Rhode Island	1,850	66,557,322	28,804	14,752	5,861	19,354,256	73,154,109	111,418,354
South Carolina	1,584	5,400,418	7,099	578	464	1,543,715	5,855,736	9,858,981
Tennessee	5,317	15,595,295	17,663	1,089	660	5,390,630	19,657,027	34,362,636
Texas	2,399	5,284,110	7,450	157	320	1,787,835	6,273,193	11,517,302
Utah	533	1,391,898	1,465	43	26	395,365	1,238,252	2,343,019
Vermont	3,270	20,329,637	16,301	1,872	513	6,264,581	17,007,769	32,184,606
Virginia	5,933	18,455,400	22,175	2,259	2,540	5,343,099	23,832,384	38,364,322
Washington	269	1,893,674	1,025	1	.....	574,936	1,435,128	2,851,052
West Virginia	2,444	11,084,520	10,728	287	657	4,322,164	14,503,701	24,102,201
Wisconsin	7,013	41,981,872	40,296	2,114	1,500	13,575,642	45,851,266	77,214,326
Wyoming	32	889,400	500	1	1	347,578	280,156	765,424

TABLE L.—*Manufactures by totals of States and Territories*—Continued.

1860.

States and Territories.	Establishments.	Capital.	Average number of hands employed.		Total amount paid in wages during the year.	Value of materials.	Value of products.
			Males above 16 years.	Females above 15 years.			
	No.	*Dollars.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The United States	140, 433	1, 009, 855, 715	1, 040, 349	270, 897	378, 878, 966	1, 031, 605, 092	1, 885, 861, 676
Alabama	1, 459	9, 098, 181	6, 792	1, 097	2, 132, 940	5, 489, 963	10, 588, 566
Arkansas	518	1, 316, 610	1, 831	46	554, 240	1, 280, 503	2, 880, 578
California	8, 468	22, 043, 096	49, 171	55	28, 402, 287	27, 051, 674	68, 253, 228
Connecticut	3, 019	45, 590, 430	44, 002	20, 467	19, 026, 196	40, 999, 090	81, 924, 555
Delaware	615	5, 452, 887	5, 465	956	1, 905, 754	6, 028, 918	9, 892, 902
District of Columbia	429	2, 905, 865	2, 653	495	1, 139, 154	2, 884, 185	5, 412, 102
Florida	185	1, 874, 125	2, 297	157	619, 840	874, 506	2, 447, 969
Georgia	1, 890	10, 890, 875	9, 492	2, 083	2, 925, 148	9, 986, 532	16, 925, 564
Illinois	4, 268	27, 548, 563	22, 489	479	7, 637, 921	35, 558, 782	57, 580, 886
Indiana	5, 323	18, 451, 121	20, 563	732	6, 318, 335	27, 142, 597	42, 803, 469
Iowa	1, 939	7, 247, 130	6, 142	165	1, 922, 417	8, 612, 259	13, 971, 325
Kansas	344	1, 084, 935	1, 700	35	880, 346	1, 444, 975	4, 357, 408
Kentucky	3, 950	20, 256, 579	19, 587	1, 671	6, 020, 082	22, 295, 759	37, 931, 240
Louisiana	1, 744	7, 151, 172	7, 873	916	3, 683, 679	6, 738, 486	15, 587, 473
Maine	3, 810	22, 044, 020	24, 827	9, 792	8, 368, 691	21, 553, 066	38, 193, 254
Maryland	3, 083	23, 230, 608	21, 630	6, 773	7, 190, 672	25, 494, 007	41, 735, 157
Massachusetts	8, 176	132, 792, 327	146, 268	71, 153	56, 960, 913	135, 053, 721	255, 545, 922
Michigan	3, 448	23, 808, 226	22, 144	1, 046	6, 735, 047	17, 635, 611	32, 658, 356
Minnesota	562	2, 388, 310	2, 104	19	712, 214	1, 904, 070	3, 373, 172
Mississippi	976	4, 384, 492	4, 572	203	1, 618, 320	3, 146, 636	6, 590, 687
Missouri	3, 157	20, 034, 220	18, 628	1, 053	6, 669, 916	23, 849, 941	41, 782, 731
Nebraska	107	266, 575	334	2	105, 332	237, 215	607, 328
New Hampshire	2, 592	23, 274, 094	18, 379	13, 961	8, 110, 561	20, 539, 857	37, 586, 453
New Jersey	4, 173	40, 521, 048	43, 198	12, 829	16, 277, 337	41, 429, 100	76, 306, 104
New Mexico	82	2, 008, 350	1, 044	30	341, 306	367, 892	1, 249, 123
New York	22, 624	172, 895, 652	176, 885	53, 227	65, 446, 759	214, 813, 061	378, 870, 939
North Carolina	3, 689	9, 693, 703	12, 102	2, 115	2, 689, 441	10, 203, 228	16, 678, 698
Ohio	11, 123	57, 295, 303	65, 749	9, 853	22, 302, 989	69, 800, 270	121, 691, 148
Oregon	309	1, 337, 238	968	10	635, 256	1, 431, 952	2, 976, 761
Pennsylvania	22, 363	190, 055, 904	182, 593	39, 539	60, 369, 165	153, 477, 698	290, 121, 188
Rhode Island	1, 191	24, 278, 295	20, 795	11, 695	8, 760, 125	19, 858, 515	40, 711, 296
South Carolina	1, 230	6, 931, 756	6, 096	898	1, 380, 027	5, 198, 881	8, 615, 195
Tennessee	2, 572	14, 426, 261	11, 582	946	3, 370, 687	9, 416, 514	17, 987, 225
Texas	983	3, 272, 450	3, 338	111	1, 162, 756	3, 367, 372	6, 577, 202
Utah	148	443, 356	380	9	231, 701	439, 512	900, 153
Vermont	1, 883	9, 498, 617	8, 563	1, 934	3, 004, 986	7, 608, 858	14, 637, 807
Virginia	5, 385	26, 935, 560	32, 606	3, 568	8, 544, 117	30, 840, 531	50, 652, 124
Washington	52	1, 296, 200	866	4	453, 601	502, 021	1, 406, 921
Wisconsin	3, 064	15, 831, 581	14, 641	773	4, 268, 708	17, 137, 334	27, 849, 467

TABLE L.—*Manufactures by totals of States and Territories*—Continued.

1850.

NOTE.—This table is an exact reproduction of Table 4 of the Abstract of Manufactures at the Seventh Census. [Senate Ex. Doc. No. 39, 2d session 35th Congress.] The table is arithmetically imperfect, and it is not known whether the errors are in the items or total of the table, or in both. The true total line of the items as printed is: Establishments, 123,029; capital, $533,245,351; hands employed, male, 732,157; female, 225,922; wages, $236,759,464; materials, $555,174,320; products, $1,019,109,616.

States and Territories.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Average number of hands employed. Females above 15 years.	Total amount paid in wages during the year.	Value of materials.	Value of products.
	No.	*Dollars.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The United States	123,025	533,245,351	731,137	225,922	236,755,464	555,123,822	1,019,106,616
Alabama	1,026	3,450,606	4,397	539	1,105,824	2,224,960	4,528,876
Arkansas	261	305,015	812	30	159,876	215,789	537,908
California	1,003	1,006,197	3,964	.....	3,717,180	1,201,154	12,862,522
Connecticut	3,737	25,876,648	34,248	16,483	12,435,984	23,608,971	47,114,585
Delaware	531	2,978,945	3,237	651	936,924	2,864,607	4,649,296
District of Columbia	403	1,001,575	2,034	536	757,584	1,405,871	2,690,258
Florida	103	547,060	876	115	199,452	220,611	668,335
Georgia	1,522	5,456,483	6,650	1,718	1,709,664	3,404,917	7,082,075
Illinois	3,162	6,217,765	11,066	493	3,204,326	8,959,327	16,534,272
Indiana	4,392	7,750,402	13,748	692	3,728,844	10,369,700	18,725,423
Iowa	522	1,292,875	1,687	20	473,016	2,356,881	3,551,783
Kentucky	3,609	11,810,462	19,576	1,900	5,106,048	12,165,075	21,710,212
Louisiana	1,008	5,032,424	5,458	759	2,033,928	2,459,508	6,779,417
Maine	3,974	14,699,152	21,853	6,167	7,485,588	13,553,144	24,661,057
Maryland	3,725	14,934,450	22,729	7,483	7,403,832	17,690,836	33,043,892
Massachusetts	8,852	88,940,292	107,784	69,677	41,954,736	85,856,771	157,743,994
Michigan	2,033	6,563,660	8,990	354	2,717,124	6,136,328	11,169,002
Minnesota	5	94,000	63	.....	18,540	24,300	58,300
Mississippi	947	1,815,820	3,046	108	771,528	1,275,771	2,912,068
Missouri	2,923	8,576,607	14,880	928	4,692,648	12,798,351	24,324,418
New Hampshire	3,211	18,242,114	14,103	12,989	6,123,876	12,745,466	23,164 503
New Jersey	4,207	22,293,258	29,068	8,762	9,364,740	22,011,871	39,851,256
New Mexico	23	68,300	81	.....	20,772	110,220	249,010
New York	23,553	99,904,405	147,737	51,612	49,131,000	134,655,674	237,597,249
North Carolina	2,663	7,456,860	12,473	2,128	2,383,456	4,602,501	9,111,050
Ohio	10,622	29,019,538	47,054	4,437	13,467,156	34,678,019	62,692,279
Oregon	52	843,600	285	.....	388,620	809,560	2,236,640
Pennsylvania	21,605	94,473,810	124,688	22,078	37,163,232	87,206,377	155,044,910
Rhode Island	864	12,935,676	12,923	8,044	5,047,080	13,186,703	22,117,688
South Carolina	1,430	6,053,265	5,992	1,074	1,127,712	2,787,534	7,045,477
Tennessee	2,887	6,527,729	11,080	959	2,247,492	5,166,886	9,725,608
Texas	309	539,290	1,042	24	322,368	394,642	1,168,538
Utah	14	44,400	51	.....	9,984	337,381	291,220
Vermont	1,849	5,001,377	6,894	1,551	2,202,348	4,172,552	8,570,920
Virginia	4,740	18,109,143	25,790	3,320	5,434,476	18,101,131	29,602,567
Wisconsin	1,262	3,382,148	5,798	291	1,712,496	5,414,931	9,293,068

TABLE LI.—*The United States by specified industries:* 1880.

	Mechanical and manufacturing industries.	Number of establishments.	Capital.
	All industries	253, 852	$2, 790, 272, 606
1	Agricultural implements	1, 943	62, 109, 668
2	Ammunition	4	824, 000
3	Artificial feathers and flowers (*a*)	174	1, 253, 050
4	Artificial limbs (*b*)	33	82, 600
5	Awnings and tents	151	522, 700
6	Axle-grease	16	372, 600
7	Babbitt metal and solder	9	73, 100
8	Bagging, flax, hemp, and jute	27	2, 491, 500
9	Bags, other than paper	37	2, 425, 900
10	Bags, paper	80	1, 304, 700
11	Baking and yeast powders (*c*)	110	1, 350, 600
12	Baskets, rattan and willow ware	304	1, 852, 917
13	Bellows	3	8, 750
14	Bells	20	793, 120
15	Belting and hose, leather	96	2, 748, 799
16	Belting and hose, linen	1	10, 000
17	Belting and hose, rubber	2	265, 000
18	Billiard tables and materials	46	1, 078, 169
19	Blacking	48	494, 625
20	Blacksmithing (*d*)	28, 101	19, 618, 852
21	Bluing	23	178, 650
22	Bone-, ivory-, and lamp-black	18	627, 350
23	Bookbinding and blank-book making	588	5, 798, 671
24	Boot and shoe cut stock	172	1, 210, 300
25	Boot and shoe findings	135	770, 800
26	Boot and shoe uppers	81	209, 264
27	Boots and shoes, including custom work and repairing	17, 972	54, 358, 301
28	Boots and shoes, rubber	9	2, 425, 000
29	Boxes, cigar	221	1, 023, 777
30	Boxes, fancy and paper	369	2, 496, 496
31	Boxes, wooden, packing	602	5, 304, 212
32	Brass and copper, rolled	26	9, 057, 600
33	Brass castings (*e*)	396	5, 740, 237
34	Brass ware	20	594, 582
35	Bread and other bakery products	6, 396	19, 155, 286
36	Brick and tile (*f*)	5, 631	27, 673, 616
37	Bridges	75	4, 058, 649
38	Bronze castings (*g*)	7	186, 500
39	Brooms and brushes	980	4, 186, 897
40	Buttons	124	2, 013, 350
41	Calcium lights	4	19, 500
42	Cardboard	8	443, 000
43	Card cutting and designing	9	13, 793
44	Carpentering	9, 184	19, 541, 358
45	Carpets, rag	396	252, 604
46	Carpets, other than rag (*h*)	195	21, 468, 587
47	Carpets, wood	5	41, 600
48	Carriage and wagon materials	412	7, 034, 718
49	Carriages and sleds, children's	67	770, 000
50	Carriages and wagons (*d*)	3, 841	37, 973, 493
51	Cars, railroad, street, and repairs, not including statistics of establishments operated by steam railroad companies.	130	9, 272, 680
52	Celluloid and celluloid goods	6	1, 214, 000
53	Charcoal	175	457, 484
54	Cheese and butter (factory)	3, 932	9, 604, 803
55	Chocolate	7	530, 500
56	Cigar-molds	3	69, 800
57	Cleansing and polishing preparations	21	412, 325
58	Clock cases and materials (*i*)	2	6, 000
59	Clocks	22	2, 474, 900
60	Cloth finishing	20	137, 350

a See also Millinery and lace goods.
b See also Surgical appliances.
c See also Drugs and chemicals.
d See also Wheelwrighting.
e See also Bronze castings.
f See also Drain and sewer pipe; Terra-cotta ware.
g See also Brass castings.
h See also Woolen goods.
i See also Watch and clock materials.

TABLE LI.—*The United States by specified industries:* 1880.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
2, 019, 035	531, 639	181, 921	$947, 953, 795	$3, 396, 823, 549	$5, 369, 579, 191	
38, 313	73	1, 194	15, 359, 610	31, 531, 170	68, 640, 486	1
498	553	15	361, 778	1, 223, 452	1, 904, 966	2
550	3, 577	215	1, 081, 040	2, 444, 418	4, 879, 324	3
71	.....	1	43, 833	31, 370	137, 024	4
526	699	43	334, 463	1, 230, 558	1, 968, 942	5
67	2	3	41, 407	209, 152	365, 048	6
44	.....	.....	18, 745	214, 193	262, 950	7
1, 330	1, 226	653	827, 759	2, 058. 017	3, 511, 653	8
1, 175	903	164	776, 026	8, 027, 770	9, 726, 600	9
546	883	140	439, 620	3, 037, 319	4, 112, 566	10
660	326	56	466, 252	3, 333, 868	4, 760, 598	11
1, 976	552	591	657, 405	867, 031	1, 992, 851	12
15	.....	.....	6, 875	13, 500	26, 900	13
570	14	189	280, 169	525, 175	1, 065, 824	14
1, 138	39	50	606, 087	5, 019, 853	6, 525, 737	15
10	.....	.....	4, 500	12, 000	23, 000	16
342	2	20	131, 721	863, 000	1, 085, 000	17
849	.....	8	400, 779	1, 080, 466	2, 289, 758	18
251	174	11	168, 183	710, 629	1, 491, 474	19
33, 992	18	516	11, 126, 001	14, 572, 363	43, 774, 271	20
88	53	5	50, 245	197, 463	344, 824	21
198	2	24	80, 249	440, 068	661, 376	22
5, 127	4, 831	654	3, 927, 349	5, 195, 771	11, 976, 764	23
1, 235	1, 422	228	735, 482	5, 939, 249	7, 531, 635	24
758	652	88	451, 075	1, 188, 817	2, 144, 945	25
245	174	18	170, 425	448, 104	790, 842	26
104, 021	25, 946	3, 852	50, 995, 144	114, 966, 575	196, 920, 481	27
2, 514	1, 984	164	1, 469, 038	6, 023, 053	9, 705, 724	28
1, 274	718	373	748, 657	1, 389, 700	2, 903, 465	29
2, 194	6, 836	648	2, 373, 948	3, 578, 827	7, 665, 553	30
6, 611	405	706	2, 769, 135	7, 674, 921	12, 687, 063	31
4, 105	673	304	2, 524, 169	9, 523, 157	14, 329, 731	32
5, 573	263	401	2, 729, 794	5, 894, 452	10, 808, 742	33
662	336	144	411, 329	948, 118	1, 523, 098	34
18, 925	2, 210	1, 353	9, 411, 328	42, 612, 027	65, 824, 896	35
59, 032	268	7, 055	13, 443, 532	9, 774, 834	32, 833, 587	36
4, 153	.....	140	1, 882, 179	5, 669, 793	8, 978, 122	37
140	6	7	64, 072	498, 470	670, 912	38
5, 798	1, 715	1, 260	2, 424, 040	5, 694, 855	10, 560, 855	39
2, 128	3, 052	645	1, 645, 130	1, 792, 891	4, 449, 542	40
20	.....	.....	10, 912	25, 031	51, 443	41
166	126	53	116. 410	637, 971	959, 145	42
42	12	10	18, 215	15, 610	51, 670	43
53, 547	74	517	24, 582, 077	51, 621, 120	94, 152, 139	44
573	83	63	190, 792	424, 943	861, 710	45
10, 104	8, 570	1, 697	6, 835, 218	18, 984, 877	31, 792, 802	46
108	.....	11	23, 750	23, 500	102, 170	47
7, 237	35	230	2, 733, 004	4, 781, 095	10, 114, 352	48
1, 152	70	88	462, 852	868, 054	1, 677, 776	49
43, 630	273	1, 491	18, 988, 615	30, 597, 086	64, 951, 617	50
13, 885	13	334	5, 507, 753	19, 780, 271	27, 997, 591	51
452	175	109	242, 798	389, 262	1, 261, 540	52
1, 393	2	6	390, 697	320, 735	975, 540	53
6, 419	1, 330	154	1, 546, 495	18, 363, 579	25, 742, 510	54
110	113	.....	82, 258	812, 403	1, 302, 153	55
64	.....	12	32, 020	55, 210	111, 820	56
181	15	13	91, 455	237, 070	500, 280	57
44	2	.....	15, 000	19, 000	50, 500	58
2, 807	630	503	1, 622, 693	1, 908, 411	4, 110, 267	59
135	18	23	62, 790	71, 960	222, 560	60

TABLE LI.—*The United States by specified industries:* 1880—Continued.

	Mechanical and manufacturing industries.	Number of establishments.	Capital.
61	Clothing, horse	3	$410,000
62	Clothing, men's	6,166	79,861,696
63	Clothing, women's	562	8,207,273
64	Coal tar	3	385,000
65	Coffee and spices, roasted and ground	300	6,366,392
66	Coffins, burial cases, and undertakers' goods	769	5,735,392
67	Coke	149	5,545,058
68	Collars and cuffs, paper	13	901,233
69	Combs	38	533,390
70	Confectionery	1,450	8,486,874
71	Cooperage	3,898	12,178,726
72	Coppersmithing (*a*)	98	915,102
73	Cordage and twine	165	7,140,475
74	Cordials and sirups	16	128,400
75	Cork cutting	46	872,384
76	Corsets	113	1,611,695
77	Cotton compressing	29	3,243,800
78	Cotton goods (*b*)	1,005	219,504,794
79	Cotton-ties	6	70,500
80	Crucibles	11	1,450,250
81	Cutlery and edge tools (*c*)	429	9,859,885
82	Dentistry, mechanical	753	773,670
83	Dentists' materials	20	840,800
84	Drain and sewer pipe (*d*)	51	489,163
85	Drugs and chemicals (*e*)	592	28,598,458
86	Dyeing and cleaning	303	851,110
87	Dyeing and finishing textiles (see Remarks)	191	26,223,981
88	Dyestuffs and extracts	41	2,363,700
89	Electric lights	3	425,000
90	Electrical apparatus and supplies (*f*)	36	873,300
91	Electroplating	221	865,898
92	Emery wheels	11	397,900
93	Enameled goods	3	150,000
94	Enameling	19	145,200
95	Engravers' materials	11	54,500
96	Engraving and die-sinking	246	416,840
97	Engraving, steel	55	2,387,050
98	Engraving, wood	167	183,733
99	Envelopes	12	923,800
100	Explosives and fireworks	39	579,750
101	Fancy articles	151	1,359,450
102	Felt goods (*g*)	26	1,958,254
103	Fertilizers	364	17,913,660
104	Files (*h*)	179	1,666,550
105	Fire-arms	39	8,115,489
106	Fire extinguishers, chemical	3	400,000
107	Flags and banners	11	54,300
108	Flavoring extracts	58	404,615
109	Flax, dressed	79	620,455
110	Flouring- and grist-mill products	24,338	177,361,878
111	Food preparations	109	1,293,905
112	Foundery and machine-shop products	4,958	154,519,484
113	Foundery supplies	15	126,500
114	Fruit-jar trimmings	1	150,000
115	Fruits and vegetables, canned and preserved	411	8,247,488
116	Fuel, artificial	1	100,000
117	Furnishing goods, men's	161	3,724,604
118	Furniture (*i*)	4,843	38,669,764
119	Furniture, chairs	384	6,276,364
120	Furs, dressed	192	3,598,887

a See also Tinware, copperware, and sheet-iron ware.
b See also Mixed textiles.
c See also Tools.
d See also Brick and tile; Terra-cotta ware.
e See also Baking and yeast powders.
f See also Telegraph and telephone apparatus.
g See also Woolen goods.
h See also Saws.
i See also Upholstering.

TABLE LI.—*The United States by specified industries:* 1880—Continued.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
73	492	.....	$137,400	$453,700	$695,000	61
77,255	80,994	2,564	45,940,353	131,363,282	209,548,460	62
2,594	22,253	345	6,661,005	19,559,227	32,004,794	63
174	.....	5	65,500	285,200	466,800	64
2,125	438	153	1,370,699	18,201,302	22,924,894	65
3,762	481	172	1,895,805	3,776,222	8,157,760	66
3,068	3	71	1,198,654	2,995,441	5,359,489	67
151	284	.....	151,576	1,166,000	1,582,571	68
743	250	33	374,785	341,719	951,395	69
6,157	2,827	817	3,242,852	17,125,775	25,637,633	70
24,435	42	1,496	8,992,603	18,441,064	33,714,770	71
852	2	14	520,302	1,227,947	2,087,773	72
2,926	1,480	1,029	1,558,676	9,330,261	12,492,171	73
81	.....	.....	42,928	210,506	331,233	74
382	270	140	232,846	976,274	1,566,555	75
776	7,487	539	1,745,969	3,686,821	6,494,705	76
1,008	.....	.....	573,005	326,808	1,271,700	77
64,107	91,148	30,217	45,614,419	113,765,537	210,950,383	78
100	.....	31	38,069	170,198	262,351	79
691	.....	3	284,169	955,841	1,445,641	80
9,458	380	681	4,447,349	4,682,222	11,661,370	81
469	35	37	269,044	455,037	1,860,647	82
405	70	13	237,729	247,824	860,758	83
270	.....	5	114,542	176,143	480,261	84
8,144	1,138	263	4,157,163	24,380,566	38,173,658	85
893	499	75	511,886	581,886	1,613,943	86
12,788	2,038	1,872	6,474,364	13,634,295	32,297,420	87
976	10	6	512,097	3,918,741	5,253,038	88
214	.....	15	117,500	150,650	458,400	89
335	35	8	224,758	360,579	1,074,388	90
1,257	89	95	620,848	663,588	1,975,700	91
111	.....	1	58,253	109,952	322,022	92
211	.....	.....	41,926	236,817	321,511	93
113	54	9	56,836	69,562	182,758	94
66	3	1	39,840	26,464	85,764	95
698	62	92	419,646	262,828	1,180,165	96
1,118	661	137	1,951,745	648,994	2,998,616	97
468	20	21	333,590	68,605	734,728	98
233	948	23	344,143	2,346,500	3,000,617	99
313	217	205	216,069	840,877	1,391,132	100
1,676	654	463	1,036,672	1,065,335	2,817,230	101
1,203	233	88	439,760	2,530,710	3,619,652	102
8,377	75	146	2,648,422	15,595,078	23,650,795	103
2,191	49	268	957,412	787,569	2,486,533	104
4,573	87	197	2,700,281	1,859,026	5,736,936	105
117	.....	2	84,750	81,840	204,693	106
15	50	3	27,375	48,200	119,600	107
238	104	32	129,343	796,049	1,195,637	108
786	57	176	268,420	818,243	1,310,231	109
58,239	42	126	17,422,316	441,545,225	505,185,712	110
863	312	158	318,253	1,604,660	2,493,224	111
140,459	675	4,217	65,982,133	103,345,083	214,378,468	112
72	.....	2	27,303	132,220	215,650	113
230	93	25	104,501	318,708	485,503	114
10,638	15,463	5,804	2,679,960	12,051,293	17,599,576	115
70	.....	.....	10,000	55,000	102,000	116
1,274	9,565	335	2,644,155	6,503,164	11,506,857	117
45,186	917	2,626	20,383,794	31,416,768	68,037,902	118
7,832	1,301	1,442	3,311,286	4,443,438	9,807,823	119
1,453	2,604	77	1,389,284	5,338,242	8,238,712	120

TABLE LI.—*The United States by specified industries:* 1880—Continued.

	Mechanical and manufacturing industries.	Number of establishments.	Capital.
121	Galvanizing	21	$671, 450
122	Gas and lamp fixtures	35	3, 248, 400
123	Gas machines and meters	34	1, 147, 000
124	Glass	211	19, 844, 699
125	Glass, cut, stained, and ornamented	170	945, 180
126	Gloves and mittens (*a*)	300	3, 379, 648
127	Glucose	7	2, 255, 000
128	Glue	82	3, 916, 750
129	Gold and silver leaf and foil	60	498, 500
130	Gold and silver, reduced and refined (not from the ore)	28	817, 100
131	Graphite	4	113, 000
132	Grease and tallow	156	2, 566, 779
133	Grindstones	14	125, 261
134	Gunpowder (*b*)	33	4, 983, 560
135	Hairwork	299	613, 040
136	Hammocks	5	22, 300
137	Hand-knit goods	39	152, 700
138	Hand-stamps	46	103, 150
139	Handles, wooden	206	1, 032, 090
140	Hardware	492	15, 363, 551
141	Hardware, saddlery	64	1, 655, 550
142	Hat and cap materials	64	746, 828
143	Hats and caps, not including wool hats	489	5, 455, 468
144	High explosives (*c*)	21	1, 601, 625
145	Hones and whetstones	25	132, 525
146	Hooks and eyes	5	420, 188
147	Hosiery and knit goods (*d*)	359	15, 579, 591
148	Housefurnishing goods	48	456, 806
149	Ice, artificial	35	1, 251, 200
150	Ink	63	1, 251, 050
151	Instruments, professional and scientific	171	1, 342, 196
152	Iron and steel (see Remarks)	1, 005	230, 971, 8[illegible]4
153	Iron bolts, nuts, washers, and rivets	100	4, 933, 019
154	Iron doors and shutters	6	79, 375
155	Iron forgings	91	3, 598, 241
156	Iron nails and spikes, cut and wrought	62	3, 877, 805
157	Iron pipe, wrought	35	6, 129, 565
158	Iron railing, wrought	131	662, 197
159	Iron work, architectural and ornamental	89	738, 000
160	Ivory and bone work	55	775, 564
161	Japanning	30	78, 710
162	Jewelry	739	11, 431, 164
163	Jewelry and instrument cases	17	62, 000
164	Jute and jute goods	4	415, 000
165	Kaolin and ground earths	63	1, 291, 527
166	Kindling wood	213	1, 018, 490
167	Labels and tags	19	451, 500
168	Lamps and reflectors	74	1, 873, 625
169	Lapidary work	55	176, 875
170	Lard, refined	26	2, 513, 066
171	Lasts	62	477, 692
172	Lead, bar, pipe, sheet, and shot	32	2, 466, 375
173	Leather, board (*e*)	24	856, 200
174	Leather, curried (see Remarks)	2. 319	16, 878, 520
175	Leather, dressed skins	202	6, 266, 237
176	Leather goods	57	561, 900
177	Leather, morocco (see Leather, dressed skins)	----------	----------
178	Leather, patent and enameled	2	17, 100
179	Leather, tanned (see Remarks)	3, 105	50, 222, 054
180	Lightning rods	20	431, 750

a See also Hosiery and knit goods.
b See also High explosives.
c See also Gunpowder.
d See also Cotton goods; Woolen goods.
e See also Paper (not specified).

TABLE LI.—*The United States by specified industries:* 1880—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
501	.....	17	$244,799	$1,103,186	$1,884,695	121
2,660	243	166	1,469,287	1,675,875	4,329,656	122
807	12	34	397,108	636,676	1,334,091	123
17,778	741	5,658	9,144,100	8,028,621	21,154,571	124
1,281	139	166	706,768	1,156,866	2,535,009	125
2,102	5,249	346	1,655,695	4,351,469	7,379,605	126
1,167	5	20	605,802	3,044,450	4,551,212	127
1,486	186	129	600,018	2,786,342	4,324,072	128
542	383	30	410,647	1,011,792	1,614,040	129
299	.....	5	178,696	9,128,811	9,548,188	130
69	17	3	35,225	144,100	210,000	131
1,075	3	13	556,015	11,779,482	13,730,013	132
231	.....	.....	57,040	85,366	184,555	133
988	20	3	510,550	2,053,488	3,348,941	134
205	937	30	323,315	667,132	1,467,723	135
28	49	5	17,576	61,830	110,352	136
50	1,378	386	137,720	239,040	446,354	137
151	8	4	82,895	103,648	318,618	138
1,504	11	60	436,664	697,320	1,656,698	139
14,481	814	1,506	6,846,913	10,097,577	22,653,693	140
2,167	321	327	960,432	1,851,436	3,651,021	141
819	355	41	463,854	1,325,231	2,217,250	142
11,373	5,337	530	6,635,522	9,341,352	21,303,107	143
328	1	.....	164,864	1,218,061	2,453,088	144
136	83	6	52,961	92,461	224,130	145
139	63	26	88,321	214,986	370,078	146
7,517	17,707	3,661	6,701,475	15,210,951	29,167,227	147
405	137	50	216,890	812,361	1,332,188	148
389	50	8	140,885	158,112	544,763	149
339	79	62	230,284	864,765	1,629,413	150
1,011	37	51	588,751	444,425	1,639,094	151
133,203	45	7,730	55,476,785	191,271,150	296,557,685	152
4,264	182	618	1,981,300	6,097,011	10,073,330	153
211	.....	12	103,269	296,600	495,060	154
2,977	95	138	1,329,151	3,960,780	6,492,028	155
2,011	519	380	1,255,171	3,312,602	5,629,240	156
4,909	13	288	1,788,258	9,480,049	13,292,162	157
728	.....	38	369,903	615,648	1,300,549	158
1,152	.....	16	474,711	1,083,817	2,109,537	159
843	137	125	414,701	754,654	1,454,901	160
135	24	24	65,562	63,743	190,080	161
10,050	1,998	649	6,441,688	10,324,990	22,201,621	162
102	31	5	51,000	48,550	131,670	163
205	302	18	141,979	447,094	696,982	164
866	3	29	310,909	697,006	1,455,757	165
1,187	14	242	526,861	1,403,010	2,480,953	166
191	81	56	149,268	492,655	865,825	167
1,478	81	171	742,423	1,852,906	3,357,829	168
207	17	28	142,075	226,277	544,089	169
1,030	46	105	546,258	21,948,826	23,195,702	170
497	18	22	308,975	221,905	765,296	171
551	5	15	316,363	4,363,209	5,600,671	172
342	27	10	121,015	400,975	689,300	173
10,808	77	168	4,845,413	59,306,509	71,351,297	174
4,966	208	221	2,441,372	11,063,265	15,399,311	175
864	131	41	459,318	1,097,373	2,020,343	176
.....	.....	.....	.....	.....	.....	177
20	2	.....	12,800	65,136	166,000	178
23,287	188	337	9,204,243	85,949,207	113,348,336	179
168	.....	.....	73,718	526,691	801,192	180

TABLE LI.—*The United States by specified industries:* 1880—Continued.

	Mechanical and manufacturing industries.	Number of establishments.	Capital.
181	Lime and cement	615	$6,332,338
182	Linen goods	5	406,800
183	Liquors, distilled	844	24,247,595
184	Liquors, malt	2,191	91,208,224
185	Liquors, vinous (*a*)	117	2,581,910
186	Lithographing (*b*)	167	4,501,825
187	Lock- and gun-smithing	607	705,815
188	Looking-glass and picture frames	645	4,437,666
189	Lumber, planed (*c*)	1,203	17,612,923
190	Lumber, sawed	25,708	181,186,122
191	Malt	216	14,390,441
192	Mantels, slate, marble, and marbleized	46	750,300
193	Marble and stone work	2,846	16,498,221
194	Masonry, brick and stone	1,591	3,990,706
195	Matches	37	2,114,850
196	Mats and matting	12	212,000
197	Mattresses and spring beds	357	1,749,750
198	Millinery and lace goods (*d*)	247	2,678,880
199	Millstones	16	178,90[illegible]
200	Mineral and soda waters	512	2,569,561
201	Mirrors	7	155,800
202	Mixed textiles (*e*)	470	37,996,057
203	Models and patterns	230	377,551
204	Mucilage and paste	4	3,100
205	Musical instruments and materials (not specified)	84	654,850
206	Musical instruments, organs, and materials	171	3,922,338
207	Musical instruments, pianos, and materials	174	9,869,577
208	Needles and pins	40	1,144,550
209	Nets and seines	13	140,650
210	Oil, castor	8	474,000
211	Oil, cottonseed and cake	45	3,862,300
212	Oil, essential	124	67,755
213	Oil, illuminating, not including petroleum refining	7	128,500
214	Oil, lard	28	1,127,500
215	Oil, linseed	81	5,872,750
216	Oil, lubricating	51	1,370,225
217	Oil, neat's-foot	15	433,050
218	Oil, resin	3	82,523
219	Oilcloth, enameled	4	315,000
220	Oilcloth, floor	25	3,429,550
221	Oleomargarine	15	1,680,300
222	Painting and paperhanging	3,968	5,645,950
223	Paints (*f*)	244	13,555,292
224	Paper (not specified) (*g*)	692	46,241,202
225	Paperhangings	25	3,560,500
226	Paper patterns	4	105,100
227	Patent medicines and compounds	563	10,620,880
228	Paving materials	46	745,750
229	Pencils, lead	4	341,597
230	Pens, gold	16	370,150
231	Pens, steel	3	182,500
232	Perfumery and cosmetics	67	813,827
233	Photographic apparatus	10	90,800
234	Photographing	1,287	3,131,895
235	Photographing materials	5	63,000
236	Pickles, preserves, and sauces	109	841,023
237	Pipes, tobacco	37	233,800
238	Plated and britannia ware (*h*)	55	5,862,025
239	Plumbing and gasfitting	2,161	5,950,512
240	Pocket-books	53	598,350

a See also Liquors, distilled.
b See also Printing and publishing.
c See also Sash, doors, and blinds; Wood, turned and carved.
d See also Artificial feathers and flowers.
e See also Cotton goods; Silk; Woolen goods.
f See also Varnish.
g See also Collars and cuffs, paper; Envelopes; Leather, board; Wood pulp.
h See also Silverware.

TABLE LI.—*The United States by specified industries:* 1880—Continued.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
5,493	7	169	$1,579,313	$2,649,189	$5,772,318	181
211	200	73	124,046	381,875	602,451	182
6,452	10	40	2,663,967	27,744,245	41,063,663	183
26,001	29	190	12,198,053	56,836,500	101,058,385	184
781	57	129	216,559	1,340,629	2,169,193	185
3,641	308	373	2,307,302	2,755,264	6,912,338	186
818	6	63	368,967	398,642	1,317,810	187
5,224	316	643	2,471,105	4,831,248	9,596,219	188
14,614	23	652	5,890,724	24,477,543	36,803,356	189
141,564	425	5,967	31,845,974	146,155,385	233,268,729	190
2,320	8	4	1,004,548	14,321,423	18,273,102	191
690	.....	35	313,009	476,431	1,030,660	192
21,112	23	336	10,238,885	12,743,345	31,415,150	193
15,877	1	142	6,880,866	10,123,478	20,586,553	194
868	1,120	231	535,911	3,298,562	4,668,446	195
199	12	74	125,129	233,707	439,370	196
1,770	466	158	868,325	3,116,471	5,288,234	197
971	5,248	336	1,661,044	6,142,091	9,577,840	198
170	1	3	96,534	172,725	355,519	199
2,480	27	219	1,065,633	2,117,764	4,741,709	200
74	.....	3	42,900	212,500	304,000	201
17,471	20,520	5,382	13,316,753	37,227,741	66,221,703	202
699	21	19	389,837	168,696	908,830	203
8	.....	1	3,090	8,770	16,700	204
528	29	16	293,062	385,776	853,746	205
3,948	89	165	2,142,539	2,692,332	6,136,472	206
6,449	57	69	4,663,193	5,283,119	12,264,521	207
604	380	93	392,214	591,013	1,378,023	208
79	114	17	54,112	180,215	291,765	209
107	.....	1	44,714	384,890	653,900	210
3,114	33	172	880,836	5,091,251	7,690,921	211
273	1	4	24,030	125,167	248,858	212
50	.....	.....	20,950	414,600	510,000	213
424	.....	8	161,672	4,184,450	4,721,066	214
1,378	17	21	681,677	12,874,294	15,393,812	215
399	8	6	208,145	2,129,589	2,925,501	216
50	.....	.....	16,554	210,524	259,086	217
23	.....	.....	14,590	189,622	238,471	218
215	2	41	116,627	864,200	1,062,000	219
1,690	5	40	733,235	3,118,708	4,752,587	220
561	18	20	212,952	5,486,141	6,892,939	221
17,271	131	309	7,920,866	8,762,780	22,457,560	222
4,192	188	103	2,132,255	17,062,552	23,390,767	223
16,133	7,640	649	8,525,355	33,951,297	55,109,914	224
1,666	150	671	874,921	3,629,222	6,267,303	225
13	84	.....	40,538	44,000	512,550	226
2,504	1,186	335	1,651,596	6,704,729	14,682,494	227
755	.....	2	244,3 9	576,301	1,024,243	228
116	144	139	102,233	97,344	279,427	229
226	19	19	172,207	190,906	533,061	230
34	230	16	88,500	38,950	164,000	231
352	357	32	238,259	1,201,409	2,203,004	232
89	9	6	41,314	40,658	104,365	233
2,860	986	131	1,751,118	1,671,455	5,935,311	234
31	30	2	25,310	89,900	142,000	235
592	230	108	259,454	1,472,639	2,407,342	236
500	65	80	226,306	209,518	628,688	237
3,742	831	102	2,453,361	4,100,116	8,596,181	238
9,217	15	452	4,770,389	9,095,308	18,133,250	239
890	416	107	484,947	930,023	1,769,036	240

TABLE LI.—*The United States by specified industries:* 1880—Continued.

	Mechanical and manufacturing industries.	Number of establishments.	Capital.
241	Postal cards	1	$20,000
242	Printing and publishing (*a*)	3,467	62,983,704
243	Printing materials	27	199,900
244	Pumps, not including steam pumps	411	2,383,482
245	Racking-hose	1	500
246	Refrigerators	71	727,220
247	Regalia and society banners and emblems	47	452,590
248	Registers, car-fare	1	300,000
249	Rice cleaning and polishing	22	562,200
250	Roofing and roofing materials	493	2,329,277
251	Rubber and elastic goods	90	6,057,987
252	Rubber, vulcanized	3	226,200
253	Rules, ivory and wood	6	54,200
254	Saddlery and harness	7,999	16,508,019
255	Safes, doors, and vaults, fire-proof	40	2,201,600
256	Salt	268	8,225,740
257	Salt, ground	8	322,900
258	Sand and emery paper and cloth	6	121,500
259	Sash, doors, and blinds (*b*)	1,288	20,457,670
260	Saws	89	3,281,135
261	Scales and balances	64	3,814,981
262	Screws	20	4,265,000
263	Sewing-machine cases	18	741,300
264	Sewing machines and attachments	106	12,501,830
265	Shingles, split	45	17,770
266	Shipbuilding (see Remarks)	2,188	20,979,874
267	Shirts	549	6,841,778
268	Shoddy (*c*)	73	1,165,100
269	Show-cases	93	341,970
270	Silk and silk goods	382	19,125,300
271	Silversmithing	38	257,198
272	Silverware (*d*)	39	1,640,900
273	Slaughtering and meat-packing, not including retail butchering establishments.	872	49,419,213
274	Smelting and refining (base scrap metal, not from the ore)	4	162,100
275	Soap and candles	629	14,541,294
276	Soda-water apparatus	8	413,000
277	Spectacles and eyeglasses	62	643,825
278	Sporting goods	86	1,444,750
279	Springs, steel, car, and carriage	59	1,769,293
280	Stamped ware (*e*)	26	2,175,940
281	Starch	139	5,328,256
282	Stationery goods	159	3,286,325
283	Steam fittings and heating apparatus	95	3,075,751
284	Stencils and brands	104	224,525
285	Stereotyping and electrotyping (*f*)	45	536,000
286	Stone- and earthen-ware	686	6,380,610
287	Straw goods	77	3,333,560
288	Sugar and molasses, beet	4	365,000
289	Sugar and molasses, refined	49	27,432,500
290	Surgical appliances (*g*)	71	843,142
291	Tar and turpentine, not including farm products	508	1,866,390
292	Taxidermy	16	25,750
293	Telegraph and telephone apparatus (*h*)	40	636,458
294	Terra-cotta ware (*i*)	15	496,550
295	Thread, linen	1	500,000
296	Tinware, copperware, and sheet-iron ware (*j*)	7,595	22,252,290
297	Tinfoil	4	686,000
298	Tobacco, chewing, smoking, and snuff (*k*)	477	17,207,401
299	Tobacco, cigars, and cigarettes	7,145	21,698,549
300	Tobacco stemming	52	1,089,342

a See also Lithographing.
b See also Lumber, planed.
c See also Mixed textiles.
d See also Plated and britannia ware.
e See also Tinware, copperware, and sheet-iron ware.
f See also Type founding.
g See also Artificial limbs.
h See also Electrical apparatus and supplies.
i See also Brick and tile; Drain and sewer pipe.
j See also Coppersmithing; Stamped ware.
k See also Tobacco, cigars, and cigarettes.

TABLE LI.—*The United States by specified industries:* 1880—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
10	18	.....	$10,000	$200,000	$190,000	241
45,880	6,759	5,839	30,531,657	32,460,395	90,789,341	242
164	7	20	98,878	190,353	421,316	243
1,692	3	36	652,749	2,038,634	3,644,631	244
2	.....	.....	1,200	1,350	5,512	245
975	14	64	423,680	881,842	1,739,731	246
175	376	38	174,097	429,227	815,638	247
7	.....	.....	4,876	870	6,600	248
376	94	46	110,467	2,666,497	3,133,324	249
3,019	22	41	1,411,133	3,382,354	6,227,284	250
3,693	2,281	294	2,295,972	9,249,967	13,751,724	251
335	150	10	154,700	391,200	767,200	252
52	1	3	19,974	16,075	66,200	253
20,024	561	861	7,997,752	19,968,716	38,081,643	254
2,173	.....	33	1,096,504	1,431,083	3,352,396	255
4,125	20	144	1,260,023	2,074,049	4,829,566	256
149	47	8	44,997	280,693	361,656	257
52	21	9	30,970	148,477	262,374	258
20,544	79	1,275	8,540,930	20,790,919	36,621,325	259
2,288	23	255	1,226,370	1,744,083	3,943,105	260
1,527	1	26	783,019	654,711	3,252,460	261
943	378	264	456,542	935,800	2,184,532	262
1,536	.....	286	683,338	1,239,400	2,064,837	263
8,632	248	673	4,636,099	4,829,106	13,863,188	264
162	11	20	11,394	20,470	47,952	265
21,338	.....	7	12,713,813	19,736,358	36,800,327	266
2,878	22,186	623	5,403,696	11,306,444	20,130,031	267
695	496	91	400,326	3,366,650	4,989,615	268
640	4	48	329,230	519,585	1,172,172	269
9,375	16,396	5,566	9,146,705	22,467,701	41,033,045	270
123	8	.....	76,640	102,058	263,931	271
882	34	113	675,943	1,028,502	2,253,630	272
26,113	.....	1,184	10,508,530	267,738,902	303,562,413	273
309	.....	2	158,300	8,171,900	8,411,100	274
4,368	388	533	2,219,513	19,907,444	26,552,627	275
308	17	7	169,235	565,538	1,075,569	276
872	113	103	450,897	417,472	1,182,142	277
565	734	102	411,854	692,616	1,556,258	278
1,487	1	42	699,412	2,346,818	3,654,862	279
1,831	331	220	868,043	2,104,141	3,512,423	280
2,710	301	108	919,197	4,911,060	7,477,742	281
1,871	1,028	218	1,159,893	3,501,426	5,898,322	282
2,425	.....	49	1,305,739	2,857,000	5,127,842	283
261	11	33	139,639	144,554	472,514	284
562	44	36	312,208	200,491	724,689	285
7,205	948	1,341	3,279,535	2,564,359	7,942,729	286
3,278	7,501	169	2,556,197	5,455,559	9,345,759	287
350	.....	.....	62,271	186,128	282,572	288
5,832	.....	25	2,875,032	144,698,499	155,484,915	289
308	154	15	265,372	286,720	906,303	290
9,955	338	242	1,623,061	2,324,637	5,876,983	291
27	102	21	22,000	21,850	82,500	292
797	37	59	458,406	755,891	1,580,648	293
407	.....	45	206,650	168,561	554,343	294
200	730	.....	260,000	750,000	1,200,000	295
23,903	853	1,492	10,722,974	25,232,281	48,096,038	296
101	70	15	100,673	198,942	416,849	297
14,886	10,776	7,094	6,419,024	34,397,072	52,793,056	298
40,099	9,108	4,090	18,464,562	29,577,833	63,979,575	299
567	596	371	170,871	1,409,502	1,897,535	300

TABLE LI.—*The United States by specified industries:* 1880—Continued.

	Mechanical and manufacturing industries.	Number of establishments.	Capital.
301	Tools (*a*)	145	$4,384,109
302	Toys and games	106	915,575
303	Trunks and valises	265	2,792,256
304	Type founding (*b*)	48	2,772,690
305	Umbrellas and canes	172	2,658,725
306	Upholstering (*c*)	781	2,885,401
307	Upholstering materials	79	1,690,200
308	Varnish (*d*)	81	3,778,100
309	Vault lights and ventilators	12	138,450
310	Veneering	5	261,500
311	Vinegar	306	2,151,766
312	Washing-machines and clothes-wringers	61	652,549
313	Watch and clock materials (*e*)	20	117,550
314	Watch and clock repairing	1,202	1,704,571
315	Watch cases	27	1,584,740
316	Watches	11	4,144,327
317	Whalebone and rattan	12	166,450
318	Wheelbarrows	22	266,200
319	Wheelwrighting (*f*)	10,701	10,641,080
320	Whips	88	1,078,070
321	Windmills	69	697,100
322	Window blinds and shades	131	1,385,515
323	Wire	40	4,230,071
324	Wirework	305	3,681,893
325	Wood-preserving	2	120,000
326	Wood pulp	50	1,898,450
327	Wood, turned and carved (*g*)	710	3,450,710
328	Wooden ware	287	3,606,794
329	Wool hats (*h*)	43	3,615,830
330	Woolen goods (*i*)	1,990	96,095,564
331	Worsted goods (*j*)	76	20,374,043
332	Zinc	16	2,022,600

a See also Cutlery and edge tools.
b See also Stereotyping and electrotyping.
c See also Furniture.
d See also Paints.
e See also Clock cases and materials.
f See also Blacksmithing; Carriages and wagons.
g See also Lumber, planed.
h See also Woolen goods.
i See also Carpets; Felt goods; Gloves and mittens; Hosiery and knit goods; Mixed textiles; Wool hats; Worsted goods.
j See also Woolen goods.

TABLE LI.—*The United States by specified industries:* 1880—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
3,042	29	80	$1,489,531	$1,532,556	$4,236,568	301
1,153	618	425	512,786	595,833	1,562,513	302
3,805	254	475	1,786,586	3,910,133	7,252,470	303
1,327	406	253	958,693	660,748	2,330,298	304
1,504	1,859	245	1,158,682	4,502,777	6,917,463	305
2,456	690	212	1,353,334	4,150,884	7,158,893	306
961	306	210	523,417	1,023,154	1,837,705	307
550	.....	23	366,716	3,699,684	5,721,174	308
115	.....	.....	66,204	108,981	273,395	309
105	6	30	35,730	137,082	292,205	310
1,160	44	53	413,451	1,888,173	3,418,038	311
398	18	60	176,287	587,643	1,182,714	312
184	45	49	86,050	130,315	300,195	313
1,547	32	78	866,996	763,249	2,712,819	314
1,418	139	201	976,041	2,812,922	4,589,314	315
2,127	1,219	.....	1,712,276	982,224	3,271,244	316
123	42	10	75,003	371,450	526,777	317
220	.....	19	72,489	101,853	227,392	318
15,821	17	270	5,074,799	6,703,677	18,892,858	319
742	266	48	415,007	701,225	1,698,633	320
585	3	8	244,197	523,594	1,010,542	321
1,015	143	121	479,133	1,635,700	2,826,518	322
5,544	172	453	1,982,731	7,034,065	10,836,605	323
3,595	300	504	1,708,165	5,410,084	9,127,818	324
36	.....	.....	14,717	62,700	101,110	325
1,184	8	17	444,778	910,835	2,256,946	326
4,933	131	601	2,148,914	2,940,630	6,770,119	327
4,268	144	621	1,539,571	2,635,720	5,235,474	328
3,222	1,459	789	1,893,215	4,785,774	8,516,569	329
46,978	29,372	10,154	25,836,392	100,845,611	160,606,721	330
6,435	9,473	2,895	5,683,027	22,013,628	33,549,942	331
1,286	.....	12	666,970	1,771,055	2,725,165	332

TABLE LII.—*Manufactures in each State and Territory:* 1880.

NOTE.—In the construction of Table LII (B), to save space, two classes of industries have been grouped as "all other industries": (1) Those which may be called "neighborhood industries", *i. e.*, when the production is presumably for local use and consumption; these industries are blacksmithing; custom boot and shoe making and repairing; carpentering; dentistry, mechanical; lock- and gun-smithing; masonry, brick and stone; painting and paperhanging; photographing; plumbing and gasfitting; watch and clock repairing, and wheelwrighting. (2) All industries whose aggregate annual product in any state or territory does not equal $250,000 in value.

A.—ALABAMA, BY TOTALS OF COUNTIES.

Counties.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	2,070	9,668,008	8,368	842	809	2,500,504	8,545,520	13,565,504
Autauga	44	330,675	217	50	72	96,460	352,517	576,606
Baldwin	23	198,205	449	45	25	131,660	109,250	344,450
Barbour	60	227,822	233	1	24	61,378	372,824	499,183
Bibb	17	175,500	147	.....	12	39,812	59,678	141,109
Blount	35	45,500	57	.....	.....	6,420	78,602	103,791
Bullock	18	35,600	61	.....	6	10,006	46,345	60,558
Butler	50	116,700	106	.....	3	25,245	164,130	233,522
Calhoun	55	682,741	640	.....	27	215,279	283,424	528,644
Chambers	38	65,240	71	.....	4	13,610	126,547	158,189
Cherokee	59	614,370	570	.....	3	121,728	182,758	342,813
Chilton	10	58,800	97	.....	.....	36,500	167,500	241,400
Choctaw	22	31,982	26	.....	1	4,505	29,184	42,716
Clarke	38	32,500	39	.....	3	5,170	58,407	75,216
Clay	31	36,450	28	.....	.....	4,089	83,281	101,414
Cleburne	23	23,250	18	.....	1	3,601	42,002	52,711
Coffee	23	20,700	37	.....	.....	4,051	64,096	77,781
Colbert	37	107,700	66	13	24	16,624	60,307	96,188
Conecuh	15	19,300	25	.....	4	2,775	24,071	32,922
Coosa	31	59,900	51	.....	.....	5,790	40,963	57,276
Covington	7	8,120	5	.....	.....	1,200	17,993	21,802
Crenshaw	19	20,825	30	.....	.....	4,555	38,812	51,275
Cullman	16	31,950	59	2	.....	12,755	20,171	41,758
Dale	16	35,850	40	5	1	7,799	71,520	98,680
Dallas	32	270,860	263	58	40	82,779	309,085	468,032
De Kalb	21	57,220	31	.....	.....	3,905	38,879	47,170
Elmore	38	502,750	203	200	150	91,550	469,698	656,997
Escambia	11	37,000	45	.....	1	13,850	64,500	118,560
Etowah	30	155,340	170	.....	5	48,790	239,943	375,165
Fayette	5	8,700	5	.....	.....	595	19,115	23,232
Franklin	5	4,850	7	.....	.....	601	2,050	5,150
Geneva	12	10,300	24	.....	.....	6,915	25,950	41,471
Greene	10	17,350	23	.....	.....	4,139	35,650	43,996
Hale	38	32,690	56	.....	.....	8,063	64,718	91,915
Henry	35	44,355	64	.....	.....	6,765	24,399	38,032
Jackson	34	54,900	63	.....	.....	11,271	89,171	122,800
Jefferson	36	1,420,125	301	.....	.....	96,314	361,879	757,741
Lamar	30	40,450	40	.....	.....	5,580	72,035	85,033
Lauderdale	47	107,720	108	51	26	23,172	123,068	177,785
Lawrence	32	39,220	34	.....	.....	5,865	63,430	82,876
Lee	37	101,800	103	12	5	23,010	114,112	157,386
Limestone	60	75,575	93	1	13	13,185	85,758	126,484
Lowndes	22	32,050	55	.....	.....	8,479	56,335	78,213
Macon	15	37,425	39	.....	.....	5,113	62,143	75,608
Madison	100	310,550	194	67	20	61,726	271,004	422,145
Marengo	32	56,700	73	.....	19	17,557	81,505	118,137
Marion	9	41,850	21	28	15	9,979	43,320	64,840
Marshall	9	14,075	10	.....	.....	1,340	50,055	63,914
Mobile	125	960,658	950	66	77	343,413	987,502	1,655,437
Monroe	20	17,800	32	.....	.....	6,371	21,850	39,405
Montgomery	88	392,650	601	7	30	187,091	720,089	1,130,248

TABLE LII.—*Manufactures:* 1880—A.—ALABAMA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Morgan	34	62,950	76	.....	2	13,365	119,885	165,349
Perry	16	30,350	73	2	12	10,187	48,673	70,135
Pickens	19	27,675	41	10	7	9,211	39,099	53,766
Pike	35	45,195	71	2	.....	15,555	120,749	163,262
Randolph	48	111,625	97	22	48	30,469	132,068	190,960
Russell	27	49,900	130	.....	6	25,098	48,196	96,751
Saint Clair	28	26,385	39	.....	.....	5,770	29,987	44,183
Shelby	45	801,505	395	.....	23	209,408	269,782	561,500
Sumter	27	32,975	47	.....	.....	10,987	65,545	95,820
Talladega	41	234,500	254	.....	10	86,826	223,134	327,501
Tallapoosa	17	36,445	27	.....	1	7,150	54,266	71,610
Tuscaloosa	34	255,310	160	200	84	100,045	193,683	363,419
Walker	24	34,650	32	.....	2	4,104	33,842	45,760
Washington	10	24,300	176	.....	2	40,915	92,127	162,392
Wilcox	37	58,775	61	.....	1	11,840	69,081	90,590
Winston	8	10,825	9	.....	.....	1,144	13,778	14,730

B.—ALABAMA, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	2,070	9,668,008	8,368	842	809	2,500,504	8,545,520	13,565,504
Cotton goods	18	1,386,500	444	731	467	233,198	848,511	1,352,099
Flouring- and grist-mill products.	807	1,803,514	1,337	4	25	211,243	3,787,711	4,315,174
Foundery and machine-shop products.	18	297,358	241	.....	14	101,869	107,605	293,691
Iron and steel	14	3,309,196	1,581	.....	45	571,713	601,073	1,452,856
Lumber, sawed	354	1,545,655	1,611	.....	36	424,156	1,608,635	2,649,634
Tar and turpentine	26	100,300	622	74	28	160,500	85,225	372,050
All other industries	833	1,225,485	2,532	33	194	747,825	1,506,760	3,130,009

A.—ARIZONA TERRITORY, BY TOTALS OF COUNTIES.

The Territory	66	272,600	216	2	2	111,180	380,023	618,365
COUNTIES.								
Apache	3	4,600	7	2	.....	978	7,805	12,655
Maricopa	5	60,000	23	.....	.....	10,830	93,252	108,180
Mohave (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Pima	28	89,650	110	.....	.....	62,970	149,886	271,378
Pinal	19	61,700	49	.....	1	25,787	70,615	132,367
Yavapai	11	56,650	27	.....	1	10,615	58,465	93,785
Yuma (*a*)	.....	.....	.....	.....	.....	.....	.....	.....

a Returned as having no manufactures.

B.—ARIZONA TERRITORY, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	66	272,600	216	2	2	111,180	380,023	618,365

TABLE LII.—*Manufactures:* 1880—Continued.

A.—ARKANSAS, BY TOTALS OF COUNTIES.

Counties.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	1,202	2,953,130	4,307	90	160	925,358	4,392,080	6,756,159
Arkansas	6	10,050	14	.....	.....	1,280	5,540	9,600
Ashley	14	31,125	42	.....	.....	4,365	60,005	71,297
Baxter	16	15,325	31	.....	.....	3,005	13,915	24,210
Benton	35	56,150	72	.....	8	11,179	205,409	235,399
Boone	29	36,805	66	.....	.....	9,623	204,968	242,344
Bradley	9	9,555	17	.....	1	2,224	24,962	40,812
Calhoun	3	2,600	3	.....	.....	500	2,000	3,500
Carroll	10	12,995	18	.....	.....	1,200	11,785	16,310
Chicot	2	15,000	22	.....	.....	4,675	18,500	31,500
Clark	30	49,800	97	.....	4	12,006	90,759	129,315
Clay	15	35,875	73	2	5	14,590	68,345	102,770
Columbia	12	16,850	16	.....	1	1,404	10,991	15,665
Conway	14	25,300	61	.....	9	7,931	29,535	47,612
Craighead	5	16,000	20	.....	.....	1,725	12,925	16,400
Crawford	12	27,900	24	1	.....	2,771	28,025	37,672
Crittenden	4	7,100	14	.....	.....	1,750	5,215	9,175
Cross	4	7,200	5	.....	.....	375	7,600	8,772
Dallas	9	10,150	16	.....	.....	545	11,995	14,344
Desha	1	3,000	2	.....	.....	100	550	1,000
Dorsey	12	9,300	21	.....	.....	2,105	19,845	28,300
Drew	20	42,600	49	.....	6	7,698	21,464	41,317
Faulkner	8	12,700	18	.....	.....	2,300	62,250	74,590
Franklin	9	19,050	20	.....	.....	3,292	28,535	38,405
Fulton	6	17,350	8	.....	.....	550	29,700	34,610
Garland	18	53,300	67	1	1	7,882	39,387	61,900
Grant	3	5,800	12	.....	2	450	2,575	4,250
Greene	23	26,525	57	.....	2	4,260	21,685	35,860
Hempstead	26	53,275	98	.....	10	16,298	79,055	115,477
Hot Spring	14	32,950	43	.....	.....	5,461	32,395	50,810
Howard	8	19,450	42	.....	1	8,807	54,625	79,194
Independence	22	62,606	60	6	.....	10,085	74,041	94,605
Izard	21	17,325	49	.....	2	5,759	34,164	51,146
Jackson	9	23,100	41	.....	2	4,610	12,100	17,250
Jefferson	21	84,350	157	.....	.....	46,680	96,755	228,434
Johnson	24	32,525	62	.....	.....	10,865	46,382	72,331
La Fayette	7	6,950	11	.....	.....	1,132	7,044	10,198
Lawrence	12	66,100	58	2	.....	9,611	43,486	66,082
Lee	9	47,550	28	.....	.....	4,135	33,121	50,233
Lincoln	7	8,750	11	.....	1	1,880	7,619	12,875
Little River	4	9,500	30	.....	2	1,550	7,150	14,250
Logan	18	25,300	44	.....	.....	5,612	53,722	84,837
Lonoke	5	20,400	10	.....	.....	3,015	18,130	25,300
Madison	24	27,925	49	.....	.....	6,020	105,892	125,678
Marion	11	20,800	26	.....	.....	2,627	22,120	33,863
Miller	11	39,650	52	.....	.....	17,002	121,790	166,300
Mississippi	9	14,325	26	.....	.....	1,350	7,175	13,345
Monroe	11	62,490	40	.....	4	9,225	38,830	64,525
Montgomery	8	17,000	12	.....	.....	825	4,686	7,292
Nevada	18	23,100	63	.....	.....	13,346	33,513	67,384
Newton	6	9,525	4	.....	.....	272	4,227	5,244
Ouachita	5	11,500	20	3	3	6,025	28,650	41,085
Perry	9	21,800	40	.....	.....	4,932	28,300	38,272
Phillips	36	151,035	256	1	1	64,125	196,950	372,003
Pike	8	58,150	25	9	12	5,451	26,826	41,901
Poinsett	1	2,000	2	.....	.....	100	750	1,099

TABLE LII.—*Manufactures:* 1880—A.—ARKANSAS—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Polk	15	13,800	51	.....	.....	4,342	51,710	66,554
Pope	38	60,975	94	.....	1	9,806	70,298	108,481
Prairie	11	23,300	38	.....	.....	7,225	14,570	28,670
Pulaski	98	602,499	958	56	50	378,058	1,057,978	1,859,198
Randolph	16	39,300	30	.....	.....	3,416	52,835	63,965
Saint Francis	12	11,600	51	.....	8	5,359	23,882	39,277
Saline	17	75,850	87	.....	.....	16,624	57,545	94,767
Scott	9	15,425	29	.....	.....	4,135	37,555	49,833
Searcy	4	4,100	9	.....	.....	924	22,625	27,575
Sebastian	45	95,325	177	2	9	35,269	132,131	210,030
Sevier	6	6,300	9	.....	.....	850	4,339	7,250
Sharp	13	21,700	27	.....	.....	2,774	15,986	25,006
Stone	5	3,750	7	.....	.....	303	5,110	6,421
Union	17	18,100	21	.....	.....	1,825	22,898	29,288
Van Buren	16	54,650	27	.....	.....	3,269	39,133	49,470
Washington	103	197,990	229	4	4	44,122	339,337	476,752
White	40	79,950	122	3	10	13,776	87,561	134,844
Woodruff	1	5,000	8	.....	.....	700	2,350	4,000
Yell	43	78,680	109	.....	1	15,996	96,274	146,935

B.—ARKANSAS, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	1,202	2,953,130	4,307	90	160	925,358	4,392,080	6,756,159
Flouring- and grist-mill products.	350	810,915	740	.....	4	97,614	1,979,317	2,249,289
Lumber, sawed	319	1,067,840	1,690	.....	54	237,394	1,070,395	1,793,848
Oil, cottonseed and cake	4	275,000	237	.....	.....	79,400	378,000	590,000
All other industries	529	799,375	1,640	90	102	510,950	964,368	2,123,022

A.—CALIFORNIA, BY TOTALS OF COUNTIES.

The State	5,885	61,243,784	38,311	3,922	1,460	21,065,905	72,607,709	116,218,973
COUNTIES.								
Alameda	177	2,401,332	2,245	13	22	1,066,472	3,536,348	5,338,975
Alpine	6	2,950	7	.....	.....	6,200	6,450	17,500
Amador	43	158,100	132	.....	.....	80,623	166,217	341,535
Butte	102	606,160	398	.....	9	150,993	481,656	853,531
Calaveras	25	54,350	32	.....	.....	13,852	44,032	83,950
Colusa	71	188,335	139	.....	1	64,099	269,793	445,009
Contra Costa	24	902,300	154	.....	5	59,576	293,029	511,026
Del Norte	20	158,200	63	.....	1	27,760	82,153	149,125
El Dorado	15	79,400	35	.....	.....	16,813	51,222	95,686
Fresno	26	228,944	130	2	.....	31,519	148,590	234,087
Humboldt	72	1,198,825	777	.....	.....	257,916	527,485	996,127
Inyo	16	52,750	33	.....	.....	11,776	60,207	90,320
Kern	13	79,850	33	.....	1	24,157	112,000	154,960
Lake	35	100,043	76	1	.....	20,380	132,443	196,460
Lassen	21	37,650	45	.....	.....	12,688	41,490	74,820
Los Angeles	172	941,780	656	9	41	285,338	1,011,379	1,668,450
Marin	135	410,950	796	.....	9	172,652	504,796	924,666
Mariposa	11	53,050	53	.....	.....	12,139	16,957	39,500
Mendocino	60	1,614,993	972	.....	2	253,561	425,695	1,004,488
Merced	24	156,300	94	6	1	41,266	148,204	239,577

TABLE LII.—*Manufactures:* 1880—A.—CALIFORNIA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Modoc	32	94,050	106	.....	1	26,648	91,314	162,454
Mono	34	204,495	247	.....	.....	130,716	281,161	569,707
Monterey	8	20,200	18	.....	.....	4,778	38,539	57,863
Napa	117	969,760	424	5	11	155,192	790,407	1,227,463
Nevada	50	379,100	231	.....	2	110,936	306,165	543,531
Placer	45	456,450	250	.....	.....	97,939	219,990	414,142
Plumas	54	154,350	97	.....	1	26,526	68,903	149,448
Sacramento	171	1,758,500	916	10	46	565,340	2,982,639	4,204,174
San Benito	24	199,940	79	1	.....	22,409	164,374	219,283
San Bernardino	36	161,750	93	3	3	29,255	76,869	171,889
San Diego	36	79,977	67	1	.....	24,183	75,280	138,330
San Francisco	2,971	35,368,139	23,662	3,588	1,192	14,928,534	47,978,072	77,824,299
San Joaquin	93	1,784,175	737	7	55	406,430	2,372,134	3,203,030
San Luis Obispo	28	65,325	39	.....	.....	23,909	122,400	178,272
San Mateo	24	304,875	131	.....	.....	26,545	66,113	125,117
Santa Barbara	25	140,350	53	1	.....	13,551	133,192	177,246
Santa Clara	302	2,157,866	1,332	237	25	621,082	1,548,909	2,886,312
Santa Cruz	113	2,341,925	734	10	2	299,680	1,053,796	1,925,570
Shasta	46	236,450	112	1	3	36,000	125,073	229,271
Sierra	48	172,600	149	.....	.....	49,068	135,972	252,670
Siskiyou	56	158,350	103	.....	1	41,261	140,557	253,630
Solano	60	965,800	296	.....	.....	179,735	2,227,885	2,760,530
Sonoma	212	1,140,695	556	17	11	208,163	753,725	1,252,745
Stanislaus	5	39,500	21	.....	.....	6,364	42,205	59,262
Sutter	8	8,250	6	.....	.....	1,150	3,873	8,840
Tehama	12	1,273,700	245	.....	10	106,252	804,334	1,078,431
Trinity	22	49,600	40	.....	.....	11,946	43,300	85,116
Tulare	33	131,500	76	1	.....	32,740	250,598	350,069
Tuolumne	36	200,300	101	.....	2	54,301	188,313	304,915
Ventura	17	72,250	40	2	1	12,205	73,088	110,734
Yolo	62	200,250	163	.....	1	53,025	307,293	449,414
Yuba	37	527,050	317	7	1	150,259	1,081,090	1,385,624

B.—CALIFORNIA, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	5,885	61,243,784	38,311	3,922	1,460	21,065,905	72,607,709	116,218,973
Agricultural implements	21	389,500	286	.....	9	149,995	334,035	586,338
Bags, other than paper	5	600,000	672	50	14	233,585	1,715,000	2,102,500
Bookbinding and blank-book making.	15	111,000	122	55	33	112,578	173,730	386,140
Boots and shoes	81	1,001,183	2,246	165	88	1,064,938	2,022,487	3,649,551
Boxes, wooden packing	14	206,250	291	30	42	137,100	315,300	600,700
Brass castings	10	155,200	191	2	6	121,400	235,520	384,850
Bread and other bakery products.	160	534,655	529	16	49	372,171	1,611,080	2,416,398
Brick and tile	50	378,650	838	.....	1	210,035	157,625	516,261
Bridges	8	99,000	344	.....	.....	172,970	374,000	694,000
Carriages and wagons	87	594,523	600	1	2	379,629	460,095	1,163,618
Cheese and butter	216	1,039,365	357	20	14	70,434	339,934	590,434
Clothing, men's	146	1,177,604	1,155	623	21	959,534	2,318,655	3,992,209
Clothing, women's	29	425,270	35	633	7	221,267	660,232	1,152,600
Coffee and spices, roasted and ground.	28	504,896	230	6	10	113,032	1,123,153	1,424,878
Confectionery	48	241,400	130	38	18	83,723	472,876	721,797
Cooperage	49	485,375	316	.....	20	213,656	354,170	721,034
Cordage and twine	3	500,700	145	.....	18	57,215	402,115	545,239
Drugs and chemicals	39	399,625	150	2	3	91,639	296,601	623,041
Flouring- and grist-mill products.	150	4,363,285	877	4	7	514,602	11,067,847	12,701,477
Foundery and machine-shop products.	105	3,040,189	2,346	.....	38	1,528,523	2,403,229	4,797,23[illegible]

TABLE LII.—*Manufactures:* 1880—B.—CALIFORNIA—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Fruits and vegetables, canned and preserved.	12	1,152,000	585	507	81	291,413	832,952	1,389,798
Furnishing goods, men's	12	362,350	121	189	.....	126,265	509,540	744,245
Furniture	89	1,266,800	956	21	22	505,089	1,003,555	1,857,010
Gloves and mittens	12	132,800	85	185	.....	77,250	134,225	265,100
Grease and tallow	3	107,000	19	.....	.....	14,240	364,400	417,200
Gunpowder	1	1,000,000	76	.....	.....	37,200	137,800	390,000
High explosives	7	1,434,000	190	.....	.....	86,506	780,416	1,765,868
Iron and steel	1	1,000,000	284	.....	35	177,722	535,500	780,000
Jewelry	12	283,500	128	.....	11	100,597	159,753	315,115
Lead, bar, pipe, sheet, and shot.	2	100,000	130	.....	.....	87,952	826,500	948,000
Leather, curried	63	427,350	229	.....	2	132,629	1,683,021	2,001,850
Leather, dressed skins	2	78,000	52	.....	.....	21,248	401,500	453,000
Leather, tanned	77	1,746,750	615	1	11	344,017	2,746,263	3,738,723
Liquors, distilled	37	1,223,024	104	.....	8	51,653	424,252	637,298
Liquors, malt	185	2,800,515	1,201	.....	.....	570,624	2,144,119	3,862,431
Liquors, vinous	45	639,600	383	.....	26	72,307	292,075	622,087
Looking-glass and picture frames.	23	231,200	80	2	11	59,150	137,553	285,703
Lumber, planed	26	352,385	268	.....	.....	164,848	530,228	850,395
Lumber, sawed	251	6,454,718	3,423	.....	11	1,095,736	2,242,503	4,428,950
Marble and stone work	67	332,650	339	.....	1	231,817	319,904	710,546
Millinery and lace goods	19	137,600	13	198	2	78,932	305,900	456,300
Oil, linseed	1	400,000	60	.....	.....	30,000	400,000	461,000
Paints	6	320,300	92	1	.....	41,576	300,239	406,326
Paper, not specified	6	610,000	156	5	3	87,622	241,015	386,197
Printing and publishing	171	1,838,255	1,408	107	114	1,272,412	1,054,355	3,148,978
Roofing and roofing materials.	17	69,650	151	.....	.....	91,521	121,320	273,275
Saddlery and harness	191	627,350	621	12	23	305,575	587,623	1,170,865
Sash, doors, and blinds	33	944,050	862	.....	45	442,560	831,466	1,541,266
Shipbuilding	62	1,806,923	534	.....	.....	589,564	959,349	1,797,639
Shirts	26	88,300	182	173	1	85,338	154,990	304,850
Slaughtering and meat-packing.	51	2,130,200	467	.....	20	341,488	6,149,623	7,953,914
Soap and candles	32	547,600	226	14	16	129,780	886,706	1,193,494
Sugar and molasses, refined.	2	1,600,000	280	.....	.....	190,000	5,517,000	5,932,000
Tinware, copperware, and sheet-iron ware.	186	797,675	632	1	75	402,996	852,051	1,622,632
Tobacco, cigars, and cigarettes.	176	1,831,503	3,238	110	203	956,639	2,060,275	3,947,353
Upholstering	66	211,177	141	9	1	96,037	256,507	459,042
Wirework	7	275,308	72	.....	7	42,665	196,910	298,776
Woolen goods	9	1,676,500	708	108	19	334,318	997,539	1,634,858
All other industries	2,633	7,959,081	7,340	634	312	4,490,593	7,691,098	16,996,601

A.—COLORADO, BY TOTALS OF COUNTIES.

The State	599	4,311,714	4,652	266	156	2,314,427	8,806,762	14,260,159
COUNTIES.								
Arapahoe	259	2,301,850	2,550	264	130	1,574,438	5,715,215	9,367,749
Bent	1	1,000	1	.....	.....	650	950	3,000
Boulder	31	171,050	116	.....	1	58,243	532,320	681,358
Chaffee	6	23,800	21	.....	3	4,340	23,450	34,725
Clear Creek	23	63,875	72	.....	.....	30,600	138,762	205,267
Conejos	2	21,000	17	.....	.....	5,200	41,920	57,300
Costilla	2	4,800	18	.....	.....	885	22,860	29,000
Custer	22	71,300	135	.....	4	32,617	212,538	297,075
Douglas	4	48,400	51	.....	.....	6,200	35,210	52,850
Elbert	5	6,200	7	.....	.....	750	4,150	8,400
El Paso	22	152,700	161	1	3	32,483	134,908	215,640
Fremont	10	85,000	145	.....	.....	36,568	140,300	222,252
Gilpin	12	61,950	48	.....	.....	43,011	94,262	173,325
Grand	1	2,000	2	.....	.....	80	575	800
Gunnison	8	26,500	77	.....	.....	3,210	23,115	35,300

TABLE LII.—*Manufactures:* 1880—A.—COLORADO—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Hinsdale	4	22,000	30	.....	.....	10,368	27,473	52,450
Huerfano	12	26,650	57	.....	.....	4,300	42,285	62,540
Jefferson	22	395,950	366	1	9	151,118	436,480	744,600
Lake	82	328,689	439	.....	2	227,814	481,361	1,015,648
La Plata (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Larimer	25	87,250	70	.....	3	17,314	350,015	443,495
Las Animas	17	234,000	156	.....	.....	48,756	154,237	293,395
Ouray	6	9,350	23	.....	.....	3,300	11,425	23,450
Park	7	57,600	35	.....	.....	5,626	29,444	42,995
Pueblo	5	41,300	17	.....	.....	8,488	92,566	115,190
Rio Grande	2	26,000	3	.....	1	1,593	20,140	27,075
Routt (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Saguache	4	15,000	11	.....	.....	2,725	22,120	28,550
San Juan	2	5,500	4	.....	.....	600	3,031	4,280
Summit	3	21,000	20	.....	.....	3,150	15,650	22,450
Weld (*a*)	.....	.....	.....	.....	.....	.....	.....	.....

a Returned as having no manufactures.

B.—COLORADO, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	599	4,311,714	4,652	266	156	2,314,427	8,806,762	14,260,159
Bread and other bakery products.	16	97,200	100	6	11	82,800	355,900	574,552
Brick and tile	46	362,600	797	.....	33	267,416	194,003	605,028
Carriages and wagons	10	281,000	133	.....	2	112,000	209,000	475,000
Flouring- and grist-mill products.	34	496,500	193	.....	.....	94,351	2,126,522	2,534,644
Foundery and machine-shop products.	17	242,000	332	.....	10	226,020	564,330	1,037,522
Liquors, malt	23	527,100	134	.....	5	62,096	230,695	418,902
Lumber, planed	5	168,500	178	.....	.....	124,500	997,000	1,276,000
Lumber, sawed	96	481,200	870	.....	7	112,931	700,294	1,051,295
Printing and publishing	5	181,450	157	12	19	135,570	95,750	307,500
Saddlery and harness	20	119,870	94	2	12	67,745	149,000	320,850
Sash, doors, and blinds	1	90,000	135	.....	.....	67,000	350,000	580,000
Slaughtering and meat-packing.	14	166,000	82	.....	5	51,190	926,065	1,082,690
All other industries	312	1,098,294	1,447	246	52	910,814	1,908,203	3,996,176

A.—CONNECTICUT, BY TOTALS OF COUNTIES.

The State	4,488	120,480,275	75,619	28,851	8,445	43,501,518	102,183,341	185,697,211
COUNTIES.								
Fairfield	745	17,702,544	13,198	4,547	645	7,627,224	14,532,142	28,426,883
Hartford	880	27,690,534	14,286	4,978	1,687	8,456,684	18,501,403	34,608,909
Litchfield	413	5,988,254	4,126	829	542	2,190,516	5,363,539	9,433,075
Middlesex	267	5,871,711	3,490	787	400	1,750,072	3,589,772	6,979,847
New Haven	1,174	30,275,692	24,703	9,511	1,508	15,074,297	33,416,360	59,536,504
New London	508	13,330,800	7,621	2,885	1,287	3,969,101	10,627,184	18,782,130
Tolland	213	5,593,765	3,406	2,018	733	1,826,206	8,201,538	13,907,573
Windham	288	14,026,975	4,789	3,296	1,643	2,607,418	7,951,403	14,022,290

TABLE LII.—*Manufactures:* 1880—CONNECTICUT—Continued.

B.—CONNECTICUT, BY SELECTED INDUSTRIES.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
All industries	4,488	120,480,275	75,619	28,851	8,445	43,501,518	102,183,341	185,697,211
Agricultural implements	21	832,500	552	2	11	218,514	317,644	719,627
Ammunition	3	724,000	418	453	.....	303,519	1,108,852	1,706,852
Bells	6	115,870	137	14	9	55,515	91,765	251,024
Belting and hose, leather	6	548,500	178	15	.....	84,200	778,000	944,000
Belting and hose, rubber	1	200,000	240	2	2	110,000	663,000	850,000
Billiard tables and materials	1	100,000	200	.....	.....	62,266	100,000	400,000
Boots and shoes	26	631,000	1,012	383	17	529,058	1,335,397	2,211,385
Boots and shoes, rubber	3	1,000,000	1,060	965	87	671,574	2,527,501	4,175,997
Boxes, fancy and paper	34	224,600	206	734	32	265,737	389,788	840,645
Brass and copper, rolled	15	6,712,000	3,302	673	251	2,137,674	7,041,091	10,985,471
Brass castings	17	337,600	484	172	12	289,445	572,722	1,077,700
Brass ware	10	479,782	501	301	129	348,682	684,475	1,134,884
Bread and other bakery products.	91	327,275	526	69	34	298,741	1,031,093	1,585,987
Brick and tile	48	328,350	511	9	21	132,476	91,022	299,194
Buttons	26	512,500	471	651	115	376,332	498,451	1,110,653
Carpets, other than rag	2	3,085,000	695	703	256	565,654	1,446,199	2,500,559
Carriage and wagon materials	32	667,099	439	29	20	244,714	346,288	824,611
Carriages and wagons	124	1,367,900	1,621	14	13	853,602	1,191,016	2,605,591
Clocks	15	1,816,400	1,994	301	281	1,206,073	1,386,361	3,016,717
Clothing, men's	121	763,002	803	735	67	546,624	1,161,112	2,210,159
Coffee and spices, roasted and ground.	9	145,000	45	12	2	29,800	302,000	383,500
Coffins, burial cases, and undertakers' goods.	17	243,017	150	42	3	82,199	162,627	390,339
Cotton goods	97	21,104,200	6,363	5,619	2,956	3,750,017	8,757,022	17,050,126
Confectionery	28	75,150	81	32	15	45,737	174,345	308,203
Corsets	22	906,900	394	3,844	136	827,400	1,949,159	3,322,359
Cutlery and edge tools	54	1,610,000	2,362	171	126	1,232,013	907,147	2,704,708
Drugs and chemicals	9	227,400	115	1	.....	53,340	219,440	344,164
Dyeing and finishing textiles.	2	230,000	242	34	26	120,270	364,490	464,800
Dye-stuffs and extracts	4	307,000	232	.....	.....	144,900	1,294,140	1,560,900
Electroplating	6	183,200	167	16	10	100,400	116,900	320,100
Envelopes	2	325,000	65	155	8	88,000	685,000	821,000
Felt goods	2	405,754	135	39	.....	53,535	313,325	429,496
Fertilizers	17	365,000	179	1	.....	78,222	306,225	446,450
Fire-arms	12	3,485,834	2,202	85	102	1,309,367	753,386	2,470,398
Flouring- and grist-mill products.	234	1,092,824	361	.....	.....	117,722	2,540,908	2,964,134
Foundery and machine-shop products.	146	4,878,826	4,620	47	114	2,313,379	2,812,902	6,339,599
Furniture	53	506,675	486	14	12	219,385	310,604	686,168
Gas and lamp fixtures	2	620,000	745	150	20	407,500	450,000	1,000,000
Gunpowder	2	635,000	102	.....	.....	55,119	300,815	381,625
Hardware	93	7,852,622	7,073	648	523	3,569,494	4,410,709	10,374,293
Hardware, saddlery	4	129,000	152	103	15	116,600	257,500	570,000
Hat and cap materials	10	262,500	325	71	20	140,809	501,403	753,551
Hats and caps	33	842,400	2,299	852	34	1,423,981	1,949,520	4,407,993
Hooks and eyes	3	170,000	99	32	18	61,583	129,900	251,800
Hosiery and knit goods	14	1,966,431	659	1,187	365	664,293	1,013,949	2,432,271
Iron and steel	19	2,682,000	663	.....	22	331,184	1,341,225	1,998,698
Iron bolts, nuts, washers, and rivets.	17	1,225,350	806	73	82	427,013	936,050	1,662,131
Iron forgings	12	445,000	266	.....	15	141,489	282,225	512,620
Ivory and bone work	9	305,800	219	32	8	109,373	322,460	498,141
Leather, dressed skins	4	75,000	64	.....	3	35,250	385,200	460,000
Liquors, malt	19	461,600	114	.....	.....	55,484	315,702	533,753
Lumber, sawed	300	657,300	699	.....	8	178,336	641,569	1,076,455
Marble and stone work	63	522,850	322	.....	4	164,432	139,203	419,948
Matches	5	152,000	77	85	.....	51,817	354,454	465,692
Mixed textiles	43	3,203,234	1,721	952	275	988,848	3,145,246	5,919,505

TABLE LII.—*Manufactures:* 1880—B.—CONNECTICUT—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Musical instruments, organs and materials.	7	238,000	419	4	1	199,737	302,126	604,937
Musical instruments, pianos and materials.	3	257,000	290	12	.....	142,057	182,018	386,583
Needles and pins	13	636,500	252	194	46	183,903	389,585	804,985
Paper, not specified	65	3,168,931	1,173	478	51	656,000	2,761,316	4,337,550
Plated and britannia ware	22	3,573,225	2,304	519	80	1,636,097	2,878,792	6,080,076
Printing and publishing	70	1,445,900	666	113	34	449,835	341,670	1,111,188
Rubber and elastic goods	12	681,600	328	262	32	233,445	1,203,661	1,710,761
Saddlery and harness	100	183,860	343	43	17	178,673	396,370	727,352
Sash, doors, and blinds	34	578,700	535	1	8	224,193	577,392	929,451
Sewing-machines and attachments.	5	6,490,650	2,055	27	6	1,158,000	802,959	2,969,741
Shipbuilding	94	334,300	500	.....	.....	256,849	430,425	767,660
Shirts	18	515,700	89	982	.....	276,054	330,677	699,605
Shoddy	8	86,000	93	38	8	35,345	261,200	347,500
Silk and silk goods	28	4,436,500	785	1,990	653	1,026,530	3,311,206	5,881,000
Slaughtering and meat-packing.	12	304,000	418	.....	5	206,959	4,189,151	4,669,540
Soap and candles	21	140,450	76	14	4	34,547	210,415	309,578
Springs, steel, car, and carriage.	9	250,750	298	.....	.....	167,116	341,698	622,841
Stamped ware	1	100,000	75	30	80	55,000	200,000	300,000
Steam fittings and heating apparatus.	8	541,500	352	.....	.....	201,492	410,351	757,422
Straw goods	3	230,000	239	371	.....	137,338	203,387	419,270
Tinware, copperware, and sheet-iron ware.	112	369,590	420	31	2	205,687	438,839	827,162
Tobacco, cigars, and cigarettes.	125	266,525	407	53	23	218,148	326,815	787,383
Tools	25	1,217,500	945	15	47	500,710	673,660	1,631,295
Washing-machines and clothes-wringers.	2	201,000	62	5	.....	40,500	100,640	251,600
Wire	4	232,000	252	89	.....	142,664	285,439	565,981
Wirework	10	268,400	237	33	17	103,147	160,900	324,500
Wood, turned and carved	39	158,300	227	5	19	100,214	97,974	274,643
Woolen goods	78	7,907,452	4,319	1,949	688	2,342,935	10,176,987	16,892,284
Wool hats	3	625,000	272	211	56	188,292	532,976	1,003,892
Worsted goods	3	232,000	267	156	67	172,256	1,258,655	1,597,227
All other industries	1,586	5,735,697	6,967	704	222	3,239,104	6,797,530	12,928,228

A.—DAKOTA TERRITORY, BY TOTALS OF COUNTIES.

The Territory	251	771,428	854	8	6	339,375	1,523,761	2,373,970
COUNTIES.								
Aurora (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Barnes (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Beadle (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Billings (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Bonhomme	7	7,725	13	.....	1	1,965	6,213	13,588
Boreman (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Brookings	6	6,200	9	.....	.....	3,860	3,200	14,280
Brown (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Brulé (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Buffalo (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Burleigh	18	64,350	86	3	1	32,480	132,588	204,457
Campbell (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Cass	13	40,050	50	3	.....	26,009	58,437	117,316
Charles Mix (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Clark (*a*)	.....	.....	.....	.....	.....	.....	.....	.....

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—DAKOTA TERRITORY—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Clay	18	35,250	32	.....	1	7,871	113,500	145,935
Codington	8	3,000	10	.....	.....	3,250	5,900	16,650
Custer	1	550	9	.....	.....	350	3,850	4,850
Davison (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Day (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Deuel (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Douglas (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Emmons (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Foster (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Faulk (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Grand Forks	4	7,350	12	.....	.....	2,425	6,700	13,315
Grant	1	165	.....	.....	.....	.....	560	650
Hamlin (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Hand (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Hanson	1	8,000	4	.....	.....	2,400	24,000	30,000
Howard (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Hughes (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Hutchinson	4	26,200	5	.....	.....	1,365	53,650	73,086
Kidder (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Kingsbury (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Lake (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
La Moure (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Lawrence	56	186,100	292	.....	1	137,266	309,844	587,035
Lincoln	8	28,100	19	.....	.....	9,000	30,590	44,750
Lyman	2	4,000	9	.....	.....	1,240	4,600	7,840
McCook (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Meyer (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Miner (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Minnehaha	15	123,450	47	.....	.....	15,195	223,031	283,769
Moody (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Morton (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Mountraille (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Pembina	2	2,150	7	.....	.....	715	3,250	5,000
Pennington	10	6,800	25	.....	2	11,625	18,917	45,210
Ramsey	2	4,500	3	.....	.....	1,094	3,976	7,130
Ransom	1	1,500	1	.....	.....	60	250	500
Richland (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Rusk (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Shannon	4	2,000	6	.....	.....	5,000	3,800	9,700
Spink (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Stanley	7	6,350	10	.....	.....	4,190	6,833	16,372
Stevens	4	8,200	12	.....	.....	1,930	4,300	9,800
Stutsman (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Sully (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Todd (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Traill	1	2,000	1	.....	.....	307	3,074	3,719
Turner	7	18,450	7	.....	.....	962	45,061	53,660
Union	16	57,050	60	.....	.....	12,910	225,106	295,773
Wallette (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Walworth (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Williams (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Yankton	35	121,938	125	2	.....	55,906	232,531	369,585

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—DAKOTA TERRITORY—Continued.

B.—DAKOTA TERRITORY, BY SELECTED INDUSTRIES.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
All industries	251	771,428	854	8	6	339,375	1,523,761	2,373,970
Flouring- and grist-mill products.	30	301,665	86	.....	.....	37,372	842,298	1,040,958
Lumber, sawed	39	113,750	286	.....	4	54,974	281,875	435,792
All other industries	182	356,013	482	8	2	247,029	399,588	897,220

A.—DELAWARE, BY TOTALS OF COUNTIES.

The State	746	15,655,822	10,250	1,426	962	4,267,349	12,828,461	20,514,438
COUNTIES.								
Kent	204	982,839	1,037	503	171	257,352	1,171,943	1,731,032
New Castle	399	14,144,683	8,543	770	734	3,862,501	11,097,635	17,805,608
Sussex	143	528,300	670	153	57	147,496	558,883	977,798

B.—DELAWARE, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	746	15,655,822	10,250	1,426	962	4,267,349	12,828,461	20,514,438
Carriages and wagons	15	452,270	397	1	12	137,256	272,098	500,567
Cars, railroad, street, and repairs.	2	589,100	760	.....	100	319,915	775,900	1,185,688
Cotton goods	10	929,570	303	419	223	232,727	632,205	1,057,257
Fertilizers	17	753,000	270	.....	.....	91,558	442,316	657,250
Flouring- and grist-mill products.	81	761,015	219	.....	1	72,231	1,165,103	1,341,026
Foundery and machine-shop products.	17	788,100	752	.....	49	266,618	330,732	704,225
Fruit and vegetables, canned and preserved.	33	396,379	428	643	188	99,621	453,503	634,940
Iron and steel	9	1,431,469	818	.....	49	344,476	1,214,050	2,347,177
Iron pipe, wrought	1	925,000	618	.....	.....	245,278	1,491,476	2,000,000
Leather, dressed skins	16	926,500	848	61	73	388,064	1,350,860	1,886,597
Lumber, sawed	86	259,250	378	.....	13	40,694	243,375	411,060
Matches	1	250,000	200	.....	.....	44,000	446,727	550,000
Paper, not specified	4	2,508,000	179	67	6	112,666	582,154	737,905
Shipbuilding	18	935,200	1,576	.....	.....	900,322	964,275	2,162,503
Woolen goods	5	352,559	171	59	31	108,504	448,285	665,253
All other industries	431	3,398,410	2,333	176	217	863,419	2,015,402	3,672,990

A.—DISTRICT OF COLUMBIA.

The District	971	5,552,526	5,496	1,389	261	3,924,612	5,365,400	11,882,316

TABLE LII.—*Manufactures:* 1880—DISTRICT OF COLUMBIA—Continued.

B.—DISTRICT OF COLUMBIA, BY SELECTED INDUSTRIES.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
All industries	971	5, 552, 526	5, 496	1, 389	261	3, 924, 612	5, 365, 400	11, 882, 316
Bread and other bakery products.	63	120, 340	164	7	8	73, 148	400, 608	606, 236
Brick and tile	16	330, 600	576	.....	120	123, 161	62, 575	314, 298
Clothing, men's	35	104, 550	157	68	2	98, 778	178, 302	376, 065
Engraving, steel	2	1, 217, 000	452	456	4	696, 698	135, 811	879, 166
Flouring- and grist-mill products.	9	230, 400	40	.....	.....	21, 508	1, 071, 600	1, 172, 375
Foundery and machine-shop products.	10	236, 000	198	.....	9	75, 102	155, 098	358, 166
Liquors, malt	10	208, 300	60	.....	4	30, 186	162, 739	275, 232
Paving materials	5	56, 000	259	.....	.....	99, 500	171, 250	316, 500
Printing and publishing	28	971, 800	1, 026	688	28	1, 478, 880	827, 519	2, 896, 312
All other industries	793	2, 077, 536	2, 564	170	86	1, 227, 651	2, 199, 898	4, 687, 966

A.—FLORIDA, BY TOTALS OF COUNTIES.

The State	426	3, 210, 680	4, 564	558	382	1, 270, 875	3, 040, 119	5, 546, 448
COUNTIES.								
Alachua	27	74, 050	80	.....	.....	20, 360	59, 246	103, 534
Baker (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Bradford	2	30, 000	30	.....	.....	11, 500	35, 500	68, 400
Brevard	1	1, 000	2	.....	.....	300	1, 025	1, 800
Calhoun (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Clay	6	3, 725	18	.....	.....	919	3, 850	7, 032
Columbia	19	56, 850	86	1	13	15, 257	99, 444	144, 445
Dade (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Duval	44	373, 850	572	15	10	175, 094	296, 317	582, 650
Escambia	15	767, 000	446	.....	2	177, 430	516, 030	868, 785
Franklin	4	550	1	.....	.....	1, 300	2, 100	3, 400
Gadsden	7	13, 000	9	.....	.....	2, 800	18, 140	26, 456
Hamilton	6	12, 300	27	.....	3	3, 432	11, 100	19, 015
Hernando	1	300	1	.....	.....	800	4, 000	5, 000
Hillsborough	6	13, 100	29	.....	16	4, 950	25, 550	41, 400
Holmes	1	1, 200	2	.....	.....	300	1, 420	2, 500
Jackson	12	20, 000	22	1	.....	3, 045	51, 101	61, 409
Jefferson	21	22, 430	32	.....	.....	4, 445	20, 145	31, 507
Lafayette	4	2, 600	2	.....	.....	300	5, 250	6, 101
Leon	18	33, 400	75	2	10	13, 877	67, 832	95, 195
Levy	27	99, 400	124	.....	15	48, 580	76, 040	170, 650
Liberty (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Madison	16	350, 225	257	.....	.....	70, 308	198, 000	343, 510
Manatee	4	4, 200	10	.....	1	4, 100	6, 200	12, 000
Marion	15	66, 200	38	.....	.....	7, 582	27, 900	46, 381
Monroe	76	465, 100	1, 454	489	263	378, 773	572, 807	1, 366, 785
Nassau	13	151, 800	315	.....	6	75, 650	252, 931	398, 289
Orange	12	24, 500	50	.....	2	8, 740	33, 175	62, 000
Polk	1	2, 000	3	.....	1	500	2, 850	4, 000
Putnam	9	30, 450	51	.....	14	7, 000	44, 240	70, 500
Saint John's (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Santa Rosa	9	399, 500	268	.....	18	100, 600	361, 825	522, 500
Sumter	6	12, 000	28	.....	5	5, 329	19, 450	32, 200
Suwannee	17	100, 600	424	50	3	102, 475	110, 066	251, 370
Taylor	5	8, 300	7	.....	.....	904	11, 860	14, 325

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—FLORIDA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Volusia	4	15,100	9	.....	.....	2,050	12,100	21,944
Wakulla	1	1,000	3	.....	.....	600	1,800	3,200
Walton	13	29,950	38	.....	.....	6,575	32,025	47,565
Washington	4	25,000	51	.....	.....	15,000	58,800	110,600

B.—FLORIDA, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES. All industries	426	3,210,680	4,564	558	382	1,270,875	3,040,119	5,546,448
Flouring- and grist-mill products.	94	224,655	140	2	.....	22,257	287,959	337,780
Lumber, sawed	135	2,219,550	1,945	.....	85	562,249	1,867,213	3,060,291
Tar and turpentine (*a*)	10	109,500	539	50	.....	129,400	104,500	295,500
Tobacco, cigars, and cigarettes.	51	461,750	1,495	497	261	409,616	555,107	1,347,555
All other industries	136	195,225	445	9	36	147,353	225,340	505,322

a Not including farm products.

A.—GEORGIA, BY TOTALS OF COUNTIES.

The State	3,593	20,672,410	18,937	3,619	2,319	5,266,152	24,143,939	36,440,948
COUNTIES.								
Appling	16	156,100	252	.....	.....	45,682	80,500	217,750
Baker	4	8,700	5	.....	.....	282	2,771	3,738
Baldwin	29	55,350	118	.....	5	16,922	94,195	130,543
Banks	19	30,250	41	.....	1	4,093	43,955	55,437
Bartow	63	400,730	285	25	27	57,872	312,897	474,417
Berrien	20	83,425	162	.....	.....	31,597	93,591	157,040
Bibb	51	651,800	818	203	134	301,022	936,196	1,724,125
Brooks	29	47,890	63	10	20	6,738	76,259	107,640
Bryan	4	35,000	289	.....	.....	40,500	53,557	118,300
Bulloch	9	18,500	20	.....	.....	1,309	13,930	19,450
Burke	23	43,100	50	.....	.....	9,014	61,140	76,855
Butts	11	39,500	19	.....	.....	3,135	81,372	96,165
Calhoun	11	14,875	37	.....	2	2,985	70,590	78,307
Camden	6	228,000	75	.....	13	29,352	226,600	348,333
Campbell	43	64,950	111	.....	5	12,754	162,330	205,902
Carroll	75	100,450	177	2	3	20,367	144,263	209,353
Catoosa	13	88,325	33	.....	1	5,099	142,416	171,338
Charlton	6	21,700	169	.....	.....	32,132	21,370	93,715
Chatham	129	1,176,970	1,103	109	97	460,847	2,492,506	3,483,866
Chattahoochee	8	14,050	16	.....	.....	1,075	15,211	17,398
Chattooga	57	473,270	119	103	78	46,199	283,130	462,909
Cherokee	55	80,051	121	17	20	17,112	88,114	134,303
Clarke	20	568,400	265	286	146	118,672	434,270	629,933
Clay	15	19,324	45	.....	5	5,702	45,715	58,691
Clayton	24	39,804	64	.....	.....	12,010	41,997	71,732
Clinch	5	87,400	116	.....	3	27,300	113,663	179,856
Cobb	93	537,133	341	189	67	120,778	999,253	1,383,322
Coffee	1	2,000	4	.....	.....	300	1,512	2,880
Colquitt	4	5,500	4	.....	.....	523	5,145	6,759
Columbia	7	15,900	18	.....	.....	1,243	18,840	23,139

TABLE LII.—*Manufactures:* 1880—A.—GEORGIA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Coweta	57	197, 030	171	13	24	43, 967	142, 364	241, 199
Crawford	21	19, 235	33	.....	1	3, 770	38, 005	51, 217
Dade	34	240, 530	334	.....	8	28, 853	365, 795	521, 298
Dawson	21	26, 900	37	.....	1	5, 286	53, 195	76, 720
Decatur	8	18, 100	16	.....	.....	3, 250	20, 825	27, 900
De Kalb	61	290, 356	183	58	37	48, 049	288, 695	404, 733
Dodge	16	66, 800	360	.....	2	76, 540	139, 823	287, 200
Dooly	15	23, 610	55	.....	3	3, 966	28, 557	43, 862
Dougherty	9	25, 700	50	.....	.....	10, 003	56, 567	75, 600
Douglas	40	49, 425	52	.....	.....	8, 851	91, 211	117, 272
Early	16	36, 100	32	.....	.....	4, 137	30, 700	39, 307
Echols	1	2, 000	.....	.....	.....	.....	691	760
Effingham	2	3, 000	5	.....	.....	163	1, 305	2, 065
Elbert	22	59, 600	48	.....	.....	7, 755	69, 685	90, 387
Emanuel	5	36, 000	121	.....	4	20, 400	70, 160	110, 750
Fannin	5	5, 700	25	.....	.....	2, 700	8, 150	17, 500
Fayette	8	23, 300	10	.....	.....	1, 250	55, 110	63, 425
Floyd	90	512, 005	577	1	36	165, 654	727, 716	1, 104, 376
Forsyth	27	40, 300	73	.....	4	10, 107	58, 714	87, 915
Franklin	27	47, 545	45	.....	.....	4, 530	66, 535	83, 932
Fulton	249	2, 582, 131	2, 933	534	418	927, 898	3, 324, 005	5, 125, 826
Gilmer	6	7, 550	7	.....	.....	525	10, 100	12, 605
Glascock	6	24, 700	14	.....	.....	1, 575	41, 335	44, 755
Glynn	6	868, 000	114	.....	65	48, 792	652, 000	755, 785
Gordon	38	81, 260	84	.....	.....	12, 931	109, 484	155, 933
Greene	49	182, 210	117	30	56	41, 754	250, 954	344, 242
Gwinnett	79	87, 760	181	1	9	29, 285	222, 433	316, 629
Habersham	26	30, 580	61	1	1	7, 300	63, 155	94, 348
Hall	55	106, 278	179	2	13	33, 712	172, 972	249, 575
Hancock	28	46, 950	72	.....	.....	8, 282	37, 112	59, 320
Haralson	13	19, 800	20	.....	6	2, 479	41, 200	46, 423
Harris	29	152, 210	66	25	25	20, 625	139, 613	193, 480
Hart	18	57, 050	40	6	3	4, 562	96, 891	110, 347
Heard	20	47, 900	32	.....	1	4, 885	25, 345	38, 760
Henry	35	85, 725	90	.....	.....	14, 069	109, 403	141, 147
Houston	26	120, 250	143	30	18	28, 819	130, 874	205, 439
Irwin (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	36	50, 255	67	.....	2	9, 049	80, 167	106, 868
Jasper	12	30, 300	27	.....	.....	6, 151	48, 125	66, 443
Jefferson	29	54, 850	88	1	.....	17, 086	78, 377	123, 694
Johnson	13	8, 760	15	.....	1	1, 869	5, 360	11, 734
Jones	7	24, 400	12	.....	1	950	6, 015	9, 500
Laurens	11	23, 150	34	.....	.....	3, 848	20, 106	33, 143
Lee	15	17, 135	37	.....	.....	5, 095	34, 245	50, 090
Liberty	15	31, 285	190	2	5	25, 198	27, 423	90, 537
Lincoln	13	21, 700	18	.....	.....	1, 875	18, 290	24, 512
Lowndes	22	49, 335	191	.....	13	30, 753	64, 225	125, 414
Lumpkin	21	25, 170	22	.....	1	3, 251	41, 570	60, 690
McDuffie	17	49, 000	48	.....	3	8, 675	63, 734	87, 532
McIntosh	7	171, 750	99	.....	.....	28, 875	410, 875	540, 700
Macon	7	11, 800	23	.....	.....	4, 127	14, 250	22, 165
Madison	25	32, 130	36	.....	2	4, 220	65, 962	81, 333
Marion	15	29, 750	32	.....	1	6, 158	23, 976	47, 589
Meriwether	36	54, 075	71	.....	1	8, 220	53, 990	76, 386
Miller	5	8, 900	21	.....	.....	700	21, 340	23, 630
Milton	29	30, 550	44	.....	4	5, 561	67, 114	87, 045
Mitchell	7	20, 300	83	.....	.....	14, 860	41, 180	70, 617
Monroe	28	52, 330	55	.....	1	5, 675	65, 777	76, 168
Montgomery	1	2, 500	4	.....	.....	300	5, 000	7, 020
Morgan	32	57, 525	67	.....	1	9, 021	81, 114	104, 938

(*a*) Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—GEORGIA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Murray	22	23,700	36	.....	1	4,562	34,235	47,548
Muscogee	64	2,456,371	1,186	1,133	346	599,121	1,624,614	3,019,309
Newton	32	80,200	58	33	8	13,486	102,834	139,574
Oconee	4	4,000	8	.....	.....	2,125	3,860	8,400
Oglethorpe	54	78,065	108	1	1	19,015	96,405	139,213
Paulding	30	30,900	48	.....	1	7,483	69,355	99,129
Pickens	42	56,110	45	7	12	6,680	83,955	111,304
Pierce	13	199,000	316	11	10	80,500	142,300	302,725
Pike	46	164,560	149	1	2	38,197	150,924	249,052
Polk	39	529,570	492	.....	4	87,581	207,103	374,395
Pulaski	17	51,375	57	8	6	8,421	54,934	77,134
Putnam	24	61,700	58	.....	.....	10,023	124,875	145,507
Quitman	7	21,300	12	.....	.....	1,600	42,572	49,396
Rabun	2	1,700	4	.....	.....	100	975	1,600
Randolph	11	23,300	28	.....	.....	2,831	24,690	30,799
Richmond	86	2,402,275	1,126	523	310	527,700	2,466,570	3,490,780
Rockdale	61	92,720	156	4	6	27,617	148,560	223,115
Schley	10	13,900	18	.....	1	2,690	38,221	43,055
Screven	8	80,300	96	.....	.....	20,245	61,375	109,780
Spalding	25	63,050	79	.....	4	24,090	98,705	157,115
Stewart	16	23,650	29	.....	.....	3,515	71,805	86,331
Sumter	21	95,207	118	1	.....	24,355	66,345	122,411
Talbot	26	53,850	73	.....	8	6,545	116,660	132,987
Taliaferro	5	12,400	6	.....	.....	1,100	12,472	15,960
Tattnall	11	92,750	33	.....	.....	10,428	13,580	38,840
Taylor	28	69,000	105	.....	.....	13,633	38,030	67,116
Telfair	10	39,180	129	.....	1	36,309	31,449	122,054
Terrell	21	52,500	87	.....	2	19,563	69,260	107,450
Thomas	27	37,275	107	.....	.....	21,258	47,203	90,107
Towns	2	3,100	3	.....	.....	475	4,335	5,016
Troup	81	406,700	199	77	63	61,745	300,492	489,106
Twiggs	12	15,280	32	1	.....	2,964	33,565	43,093
Union	8	5,800	8	.....	.....	975	13,403	16,924
Upson	41	222,170	112	58	31	26,043	211,829	301,139
Walker	33	50,200	25	.....	.....	4,293	122,270	153,466
Walton	48	188,660	95	52	49	31,319	132,987	219,902
Ware	10	87,450	237	.....	3	33,230	112,350	195,260
Warren	14	124,500	86	50	21	23,282	128,156	198,269
Washington	23	40,700	67	.....	.....	13,737	60,725	93,238
Wayne	22	194,800	383	11	9	111,975	276,650	470,269
Webster	17	20,250	20	.....	.....	2,646	30,300	43,800
White	2	2,600	3	.....	.....	450	6,850	8,220
Whitfield	30	79,550	60	.....	1	11,638	195,614	238,963
Wilcox	7	6,350	8	.....	.....	1,300	24,205	29,100
Wilkes	18	41,160	49	.....	.....	10,640	49,875	73,530
Wilkinson	30	37,745	46	.....	1	5,560	58,715	77,296
Worth	12	46,500	133	.....	20	32,250	101,550	170,880

B.—GEORGIA, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	3,593	20,672,410	18,937	3,619	2,319	5,266,152	24,143,939	36,440,948
Agricultural implements	20	200,124	230	.....	41	77,585	337,846	601,935
Bread and other bakery products.	26	118,450	159	14	24	55,742	343,280	464,162

TABLE LII.—*Manufactures:* 1880—B.—GEORGIA—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Brick and tile	76	212, 660	1, 022	14	192	188, 883	115, 747	409, 025
Carriages and wagons	59	275, 300	515	1	12	184, 159	246, 470	582, 581
Confectionery	14	130, 700	82	24	4	28, 831	263, 165	336, 325
Cotton goods	44	6, 537, 657	1, 861	2, 969	1, 411	1, 141, 782	4, 039, 673	6, 513, 490
Flouring- and grist-mill products.	1, 132	3, 576, 301	1, 823	4	18	327, 602	8, 610, 092	9, 793, 898
Foundery and machine-shop products.	39	916, 510	868	7	37	343, 072	612, 483	1, 299, 491
Iron and steel	14	1, 135, 900	1, 266	.....	37	185, 489	631, 707	990, 850
Leather, curried	79	60, 009	89	.....	2	18, 040	190, 753	296, 150
Leather, tanned	94	143, 441	150	.....	2	32, 244	197, 943	323, 807
Lumber, planed	13	122, 000	319	.....	15	85, 389	195, 300	371, 200
Lumber, sawed	655	3, 101, 452	3, 298	.....	94	554, 085	3, 197, 155	4, 875, 310
Printing and publishing	21	506, 800	405	21	57	213, 052	218, 306	579, 054
Rice cleaning and polishing	9	263, 000	111	74	24	34, 957	1, 309, 400	1, 488, 769
Sash, doors, and blinds	14	160, 500	326	.....	22	79, 274	158, 000	366, 000
Slaughtering and meat-packing.	9	25, 700	35	.....	6	9, 473	269, 077	309, 093
Tar and turpentine (*a*)	84	513, 885	2, 622	24	97	506, 842	490, 355	1, 455, 739
Tinware, copperware, and sheet-iron ware.	56	155, 350	204	.....	8	67, 560	181, 710	329, 624
All other industries	1, 135	2, 516, 671	3, 552	467	213	1, 132, 091	2, 526, 477	5, 054, 445

a Not including farm products.

A.—IDAHO TERRITORY, BY TOTALS OF COUNTIES.

The Territory	162	677, 215	374	8	6	136, 326	844, 874	1, 271, 317
COUNTIES.								
Ada	34	261, 050	87	2	.....	44, 750	358, 160	511, 790
Alturas	2	11, 600	12	.....	.....	4, 000	13, 250	20, 150
Bear Lake	17	43, 650	38	6	2	10, 140	38, 641	68, 529
Boisé	24	80, 025	28	.....	1	10, 194	54, 763	97, 816
Cassia	7	10, 300	13	.....	1	3, 250	10, 450	19, 350
Idaho	14	38, 850	32	.....	.....	9, 996	49, 275	78, 800
Kootenai	2	4, 000	3	.....	.....	500	2, 390	4, 545
Lemhi	3	20, 000	7	.....	.....	1, 850	22, 050	32, 161
Nez Percé	22	102, 640	60	.....	.....	21, 077	80, 350	129, 411
Oneida	22	62, 300	66	.....	2	16, 752	178, 470	232, 370
Owyhee	11	27, 300	21	.....	.....	12, 057	23, 630	55, 095
Shoshone	1	5, 000	3	.....	.....	900	6, 600	10, 300
Washington	3	10, 500	4	.....	.....	860	6, 845	11, 000

B.—IDAHO TERRITORY, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	162	677, 215	374	8	6	136, 326	844, 874	1, 271, 317
Flouring and grist-mill products.	16	287, 000	46	2	.....	16, 155	422, 630	520, 986
Lumber, sawed	48	192, 460	169	.....	4	33, 367	230, 566	349, 635
All other industries	98	197, 755	159	6	2	86, 804	191, 678	400, 696

TABLE LII.—*Manufactures:* 1880—Continued.

A.—ILLINOIS, BY TOTALS OF COUNTIES.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	14, 549	140, 652, 066	120, 558	15, 233	8, 936	57, 429, 085	289, 843, 907	414, 864, 673
Adams	425	4, 368, 400	3, 068	151	315	1, 330, 646	5, 753, 890	8, 904, 995
Alexander	45	443, 800	345	.....	11	125, 435	1, 119, 323	1, 433, 070
Bond	53	77, 165	93	.....	.....	20, 899	163, 491	230, 575
Boone	76	142, 550	140	4	1	48, 385	241, 174	353, 240
Brown	55	88, 585	129	.....	4	30, 715	132, 406	207, 042
Bureau	130	309, 925	291	1	10	76, 714	367, 205	560, 708
Calhoun	31	33, 250	34	.....	.....	3, 920	19, 534	36, 793
Carroll	63	185, 650	107	6	3	35, 493	280, 892	395, 059
Cass	67	196, 640	95	2	7	25, 427	277, 816	367, 558
Champaign	210	432, 071	477	6	26	139, 941	451, 909	789, 139
Christian	122	219, 150	272	2	5	84, 905	547, 302	807, 339
Clark	76	161, 835	193	5	2	40, 521	376, 577	505, 313
Clay	37	84, 800	94	.....	3	19, 055	187, 820	252, 834
Clinton	117	435, 800	319	1	7	97, 954	1, 040, 848	1, 328, 786
Coles	130	418, 708	485	22	10	156, 568	759, 681	1, 125, 220
Cook	3, 775	72, 401, 453	64, 454	12, 232	4, 909	35, 603, 567	181, 867, 817	253, 910, 548
Crawford	35	106, 450	105	.....	.....	24, 095	181, 330	249, 883
Cumberland	42	64, 990	119	.....	.....	21, 602	141, 285	213, 934
De Kalb	154	948, 283	748	16	20	310, 354	1, 041, 015	1, 645, 980
De Witt	70	159, 575	180	.....	7	46, 360	125, 468	238, 221
Douglas	54	105, 485	90	.....	1	18, 651	154, 399	227, 297
Du Page	119	359, 294	239	24	19	82, 128	567, 653	812, 976
Edgar	127	288, 220	371	1	12	88, 034	471, 834	725, 765
Edwards	25	71, 700	69	.....	6	14, 657	66, 762	112, 313
Effingham	68	213, 520	183	6	17	50, 865	372, 897	509, 690
Fayette	90	285, 834	279	3	5	68, 513	421, 789	587, 261
Ford	58	90, 225	94	.....	1	22, 251	75, 661	137, 421
Franklin	18	69, 200	69	1	4	20, 805	187, 422	253, 458
Fulton	185	857, 335	707	36	43	210, 447	914, 794	1, 429, 975
Gallatin	27	53, 550	78	.....	.....	14, 680	78, 075	115, 460
Greene	94	373, 540	344	.....	3	115, 324	509, 983	758, 342
Grundy	70	267, 925	259	2	34	106, 089	246, 212	470, 006
Hamilton	38	127, 370	120	3	.....	27, 974	245, 612	335, 096
Hancock	150	543, 790	337	27	9	103, 411	779, 613	1, 014, 030
Hardin	18	40, 225	34	.....	.....	8, 792	48, 429	62, 715
Henderson	23	66, 140	66	.....	6	11, 880	104, 235	135, 850
Henry	123	497, 400	451	6	44	165, 177	478, 290	812, 702
Iroquois	116	225, 302	262	5	4	72, 617	292, 603	473, 830
Jackson	81	470, 480	268	25	18	71, 935	484, 040	666, 837
Jasper	43	60, 235	135	.....	11	20, 145	87, 614	132, 892
Jefferson	44	107, 125	154	24	11	36, 547	333, 951	438, 849
Jersey	51	190, 625	172	3	5	54, 516	404, 702	589, 410
Jo Daviess	194	1, 695, 299	815	66	43	319, 038	1, 149, 933	1, 790, 197
Johnson	25	88, 900	97	.....	1	17, 167	168, 421	224, 820
Kane	328	3, 686, 908	2, 619	570	268	1, 423, 229	3, 869, 239	6, 531, 913
Kankakee	73	474, 900	322	98	9	140, 389	559, 896	889, 498
Kendall	53	253, 840	527	10	20	216, 129	467, 420	849, 418
Knox	197	816, 224	789	25	32	263, 096	714, 320	1, 319, 095
Lake	85	492, 750	355	5	6	119, 257	646, 649	922, 367
La Salle	309	3, 097, 840	2, 960	70	183	1, 309, 728	3, 056, 339	5, 647, 142
Lawrence	17	87, 900	89	.....	1	21, 330	288, 010	354, 890
Lee	103	668, 825	429	28	10	207, 766	1, 162, 655	1, 681, 349
Livingston	78	189, 325	225	1	40	71, 403	319, 097	478, 249
Logan	96	199, 945	284	1	5	80, 951	270, 231	457, 626
McDonough	106	429, 665	405	31	12	137, 860	523, 882	850, 680

TABLE LII.—*Manufactures:* 1880—A.—ILLINOIS—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
McHenry	214	519,329	354	127	215	113,869	1,062,788	1,496,242
McLean	208	1,194,355	906	42	69	338,396	1,627,288	2,400,561
Macon	164	1,125,195	826	59	71	368,486	1,310,901	2,333,481
Macoupin	153	624,650	439	6	19	156,926	1,717,619	2,074,392
Madison	285	1,970,111	1,651	70	324	769,163	5,091,082	7,298,568
Marion	101	300,700	386	11	6	116,583	409,295	666,596
Marshall	80	270,270	190	36	4	76,282	289,874	530,744
Mason	67	163,315	131	1	4	37,320	203,777	318,177
Massac	46	305,180	473	.....	30	139,640	502,675	739,886
Menard	42	156,000	128	4	12	28,809	191,322	294,673
Mercer	85	121,750	166	2	6	45,231	223,935	364,096
Monroe	23	205,702	141	.....	1	56,375	741,505	857,967
Montgomery	109	517,560	646	8	7	251,972	1,587,608	2,031,409
Morgan	195	804,090	850	39	108	309,682	1,418,140	2,060,667
Moultrie	55	74,900	96	1	2	22,979	121,739	196,352
Ogle	90	281,875	214	4	12	71,250	517,701	730,421
Peoria	402	4,450,872	4,013	322	151	1,612,974	9,809,882	14,703,382
Perry	48	110,900	162	.....	9	48,413	381,435	524,036
Piatt	26	91,250	73	.....	.....	21,466	123,330	172,940
Pike	122	413,900	325	7	12	113,369	1,035,402	1,340,799
Pope	51	102,135	123	1	.....	30,706	142,737	211,161
Pulaski	29	391,800	279	.....	18	93,213	366,925	589,112
Putnam	19	23,040	35	.....	.....	7,173	20,869	38,870
Randolph	98	631,625	342	7	1	129,743	1,727,770	2,075,000
Richland	69	161,775	225	12	17	57,299	464,778	596,528
Rock Island	228	4,738,822	3,213	65	330	1,609,717	4,603,023	7,794,268
Saint Clair	349	5,343,404	4,973	12	572	1,775,942	12,845,905	17,319,819
Saline	31	94,675	139	.....	8	31,067	184,515	256,870
Sangamon	238	2,658,631	2,164	214	275	932,398	4,316,981	5,872,368
Schuyler	44	143,085	115	27	5	44,726	236,627	357,452
Scott	53	65,880	104	3	9	28,451	116,968	188,667
Shelby	109	222,280	262	.....	17	71,882	533,472	727,727
Stark	69	98,100	101	2	9	29,534	118,065	196,775
Stephenson	188	1,085,676	794	25	27	317,261	1,221,189	2,045,117
Tazewell	158	1,248,400	899	8	14	320,348	1,579,363	2,416,898
Union	44	146,625	258	.....	6	63,112	528,298	659,870
Vermilion	160	603,210	540	44	39	189,232	815,792	1,241,182
Wabash	19	61,310	55	.....	6	12,950	216,000	263,602
Warren	42	715,848	577	1	3	199,804	527,518	859,803
Washington	87	451,382	301	.....	5	97,313	1,235,874	1,666,343
Wayne	51	170,000	195	71	28	61,236	350,803	454,636
White	76	286,655	375	1	18	87,213	692,254	897,419
Whiteside	188	1,527,471	864	48	18	384,585	1,881,370	2,868,624
Will	224	3,533,805	2,620	130	110	1,164,372	8,252,302	12,544,737
Williamson	25	85,725	94	3	5	25,840	126,549	180,184
Winnebago	292	3,289,107	2,088	301	108	959,245	2,533,344	4,668,974
Woodford	94	243,775	208	.....	3	50,201	237,873	381,531

B.—ILLINOIS, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	14,549	140,652,066	120,558	15,233	8,936	57,429,085	289,843,907	414,864,673
Agricultural implements	220	11,306,955	6,989	27	284	3,186,999	6,722,930	13,498,575
Bags, paper	3	101,200	29	37	6	24,375	532,300	608,800
Baking and yeast powders	9	151,700	90	45	1	51,069	519,750	686,600

TABLE LII.—*Manufactures:* 1880—B.—ILLINOIS—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Belting and hose, leather	2	192,796	58	.....	.....	26,710	225,000	302,275
Billiard-tables and materials	4	263,200	300	.....	.....	137,225	283,900	665,400
Bookbinding and blank-book making.	45	253,475	284	196	53	214,024	241,060	597,077
Boots and shoes	33	1,729,200	1,718	242	100	755,769	1,834,999	3,183,026
Boxes, fancy and paper	13	68,700	71	180	32	83,550	119,100	262,292
Boxes, wooden, packing	23	575,300	1,010	18	117	459,777	1,328,832	2,008,159
Brass castings	15	461,500	550	.....	3	249,118	385,085	784,005
Bread and other bakery products.	267	993,810	1,103	221	69	577,065	2,648,972	3,857,139
Brick and tile	616	2,397,023	5,319	13	571	1,288,604	955,584	3,065,302
Bridges	3	348,000	642	.....	.....	311,763	1,473,000	1,974,000
Brooms and brushes	88	307,225	436	106	51	181,578	357,852	686,166
Carriages and wagons	215	3,466,830	3,017	37	177	1,429,705	2,331,111	5,003,053
Cars, railroad, street, and repairs.	7	771,500	1,057	.....	29	476,742	1,875,291	2,543,682
Cheese and butter	285	933,586	631	56	11	233,974	2,840,327	3,876,085
Clothing, men's	330	7,135,533	4,842	4,499	385	3,929,964	12,809,297	19,356,849
Clothing, women's	19	353,500	72	1,488	23	334,885	1,017,720	1,585,990
Coffee and spices, roasted and ground.	15	530,900	209	44	51	159,996	2,477,021	3,008,879
Coffins, burial cases, and undertakers' goods.	39	306,675	179	13	8	99,477	251,295	470,985
Confectionery	44	482,250	373	173	139	242,908	1,589,850	2,208,792
Cooperage	372	865,720	2,297	1	48	877,471	1,737,539	3,233,305
Drugs and chemicals	28	513,800	230	66	16	132,700	734,828	1,170,216
Electrical apparatus and supplies.	3	271,200	127	25	.....	100,603	143,587	543,000
Fertilizers	6	467,000	220	.....	.....	110,760	500,957	729,400
Flavoring extracts	4	71,200	65	40	5	36,730	334,500	461,500
Flouring- and grist-mill products.	1,024	13,579,680	4,950	7	3	1,868,124	41,486,756	47,471,558
Foundery and machine-shop products.	299	7,568,359	7,377	6	251	3,644,339	7,107,553	13,515,791
Fruits and vegetables, canned and preserved.	12	151,200	175	187	335	86,602	504,315	730,843
Furnishing goods, men's	13	586,100	144	1,119	47	392,700	1,143,275	1,835,597
Furniture	335	3,554,130	5,206	79	410	2,497,778	3,607,313	7,644,638
Furniture, chairs	11	270,000	326	3	61	140,180	178,890	397,572
Furs, dressed	16	168,800	60	105	2	56,908	241,600	398,850
Glass	7	445,000	632	.....	100	342,027	297,842	901,343
Gloves and mittens	12	130,000	95	191	5	71,191	211,200	325,200
Glucose	3	450,000	367	.....	3	116,700	1,025,420	1,450,400
Glue	3	465,000	199	75	8	95,700	281,000	563,500
Grease and tallow	14	694,000	227	.....	1	123,954	1,454,775	1,764,300
Hardware	22	291,370	300	1	36	146,583	296,795	575,502
Hosiery and knit goods	14	105,800	160	471	76	92,385	290,895	484,124
Iron and steel	21	6,460,620	4,887	.....	366	2,508,718	14,977,145	20,545,289
Iron bolts, nuts, washers, and rivets.	4	187,000	295	.....	40	164,800	727,150	1,104,000
Iron forgings	5	145,800	155	.....	.....	73,130	424,337	585,581
Iron nails and spikes, cut and wrought.	5	448,000	339	29	78	192,528	375,430	804,270
Iron pipe, wrought	2	735,000	690	12	70	321,521	881,027	1,455,470
Iron work, architectural and ornamental.	13	68,000	144	.....	12	72,854	177,800	318,900
Lamps and reflectors	4	453,500	345	25	55	159,250	648,408	1,051,346
Lard, refined	4	1,012,700	329	40	75	181,200	4,637,050	5,055,000
Leather, curried	18	534,786	247	.....	1	141,096	1,967,255	2,391,380
Leather, tanned	34	2,220,114	1,113	99	29	599,028	4,160,113	5,402,070
Lime	23	313,150	397	.....	.....	149,212	190,460	444,990
Liquors, distilled	36	3,437,616	2,114	.....	.....	934,751	10,066,860	14,600,760
Liquors, malt	111	6,098,835	1,640	2	6	754,510	3,261,272	5,798,109
Lithographing	13	494,150	307	12	11	220,955	263,549	698,387
Looking-glass and picture frames.	63	350,925	798	32	158	361,675	619,090	1,304,903
Lumber, planed	65	971,808	1,155	2	71	474,739	3,799,814	4,813,290
Lumber, sawed	640	3,295,483	3,652	.....	199	787,867	3,144,905	5,063,037
Malt	22	941,200	257	.....	1	117,710	1,703,169	2,113,080
Marble and stone work	188	799,125	1,556	.....	21	712,515	909,793	2,102,387
Mattresses and spring beds.	32	223,350	298	63	50	136,316	342,850	758,508

TABLE LII.—*Manufactures:* 1880—B.—ILLINOIS—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Millinery and lace goods	19	122,750	56	306	65	90,360	267,060	471,400
Mineral and soda waters	56	290,118	314	1	17	120,868	274,702	613,358
Musical instruments, organs and materials.	17	261,000	305	1	42	201,007	323,978	656,500
Oil, lard	3	190,000	82	.....	3	42,600	928,000	1,107,000
Oil, linseed	12	1,035,000	238	4	11	117,255	2,520,380	3,099,893
Oleomargarine	3	208,800	63	.....	7	21,310	328,500	437,800
Paints	14	792,800	257	18	7	154,328	2,112,145	2,799,700
Paper, not specified	23	1,246,000	646	82	41	293,144	884,688	1,679,692
Patent medicines and compounds.	22	322,050	140	59	7	81,040	584,010	827,410
Paving materials	4	59,500	91	.....	.....	39,037	247,000	313,000
Pickles, preserves, and sauces.	12	87,500	94	10	12	38,165	367,970	518,200
Printing and publishing	243	3,625,400	3,650	531	531	2,401,894	2,807,361	7,114,939
Pumps	27	348,050	225	3	10	85,443	272,362	470,729
Roofing and roofing materials.	20	199,721	242	.....	.....	90,187	437,877	623,681
Saddlery and harness	718	1,246,281	1,459	163	172	589,250	1,645,270	3,095,322
Sash, doors, and blinds	70	1,589,313	2,185	17	212	968,621	1,904,089	3,500,993
Sewing-machine cases	7	115,800	429	.....	36	161,706	134,685	382,355
Sewing-machines and attachments.	17	1,187,600	584	4	8	332,776	379,534	1,387,911
Shipbuilding	28	457,000	465	.....	.....	247,395	492,010	892,093
Shirts	32	162,150	112	458	9	141,800	427,957	746,117
Show-cases	14	62,100	119	.....	9	65,276	125,900	263,700
Slaughtering and meat-packing.	143	12,019,980	10,217	.....	731	4,077,617	84,649,718	97,891,517
Soap and candles	35	1,407,750	469	33	80	224,874	3,341,777	3,930,322
Steam fittings and heating apparatus.	13	182,700	265	.....	13	143,390	462,780	680,530
Straw goods	8	144,000	85	335	19	119,514	297,744	484,609
Tinware, copperware, and sheet-iron ware.	561	1,491,278	1,760	108	172	870,807	2,071,345	3,894,655
Tobacco, chewing, smoking, and snuff.	10	1,129,750	458	197	393	355,135	2,955,741	4,197,400
Tobacco, cigars, and cigarettes.	532	1,050,871	2,382	215	232	1,101,786	1,702,458	3,764,990
Trunks and valises	17	168,300	238	4	10	111,345	309,400	542,800
Type founding	4	290,000	127	95	96	109,300	86,000	314,000
Upholstering	38	83,200	148	26	12	67,077	166,941	307,535
Varnish	4	207,000	32	.....	1	24,646	302,600	389,000
Vinegar	26	230,920	94	3	9	44,410	202,630	376,583
Watches	4	1,968,827	988	571	.....	738,974	223,857	1,238,621
Windmills	23	293,500	196	1	5	104,157	205,694	392,967
Wirework	38	572,722	558	.....	42	242,279	1,889,581	2,664,710
Woolen goods	53	1,327,553	527	365	150	296,225	1,332,798	1,896,460
Zinc	5	681,000	866	.....	4	416,600	1,257,228	1,815,200
All other industries	5,878	10,823,403	16,538	1,536	1,008	7,644,400	13,243,344	28,240,454

A.—INDIANA, BY TOTALS OF COUNTIES.

The State	11,198	65,742,962	62,072	3,615	3,821	21,960,888	100,262,917	148,006,411
COUNTIES.								
Adams	69	153,250	195	1	10	41,809	203,168	322,764
Allen	247	2,926,146	3,099	165	221	1,182,448	5,017,413	7,178,778
Bartholomew	141	857,565	556	83	32	201,644	1,341,996	1,776,149
Benton	13	13,000	19	.....	.....	4,575	14,405	28,442
Blackford	46	127,450	161	2	8	47,747	301,350	406,132
Boone	138	211,465	374	.....	25	85,808	522,518	747,084
Brown	14	116,400	237	.....	.....	23,100	102,740	152,925
Carroll	127	415,570	383	7	7	94,760	525,896	795,159
Cass	276	1,309,627	1,259	30	53	422,642	1,647,388	2,573,513
Clark	187	1,051,590	2,541	32	51	823,003	2,677,664	3,937,683

TABLE LII.—*Manufactures:* 1880—A.—INDIANA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Clay	66	465,489	271	2	13	66,731	442,699	609,192
Clinton	146	327,700	465	.....	11	115,422	482,036	764,051
Crawford	61	108,905	147	.....	.....	18,487	127,140	185,290
Daviess	54	149,550	166	.....	.....	45,346	388,716	504,119
Dearborn	168	3,370,859	1,578	18	85	657,525	2,792,351	4,442,878
Decatur	109	268,495	305	16	7	75,616	324,885	530,588
De Kalb	127	247,300	277	6	6	54,463	274,949	434,320
Delaware	159	701,575	594	55	77	183,500	836,363	1,280,481
Dubois	111	197,695	212	3	7	39,868	261,801	386,754
Elkhart	175	1,437,945	1,117	254	92	459,339	1,765,818	2,769,442
Fayette	40	495,255	411	71	54	189,398	566,931	887,840
Floyd	200	3,721,562	2,408	257	394	1,151,690	3,754,549	5,917,951
Fountain	104	237,350	286	1	15	74,237	437,578	615,094
Franklin	105	255,800	314	9	2	96,742	567,624	879,817
Fulton	106	189,035	262	11	8	63,714	303,673	459,197
Gibson	92	252,585	253	.....	5	60,320	368,441	545,353
Grant	134	657,765	566	.....	21	159,162	818,765	1,181,321
Greene	84	206,380	226	.....	14	49,741	341,110	471,247
Hamilton	167	416,626	448	4	23	92,501	812,425	1,071,061
Hancock	90	185,640	232	.....	4	51,378	285,580	432,990
Harrison	72	126,810	190	1	.....	19,652	286,545	362,993
Hendricks	158	243,545	359	8	9	86,247	504,545	757,803
Henry	177	724,785	576	17	36	116,046	921,017	1,251,275
Howard	122	309,625	468	5	4	107,600	403,455	641,444
Huntington	153	469,750	586	33	59	143,975	716,480	1,061,672
Jackson	141	398,884	578	22	42	141,624	587,308	920,689
Jasper	44	40,160	68	1	.....	14,590	54,078	96,141
Jay	88	164,920	210	.....	1	34,305	260,680	374,695
Jefferson	123	1,033,020	966	26	26	372,396	1,857,139	2,672,199
Jennings	65	158,630	183	.....	5	43,592	191,870	295,449
Johnson	133	699,710	565	96	101	164,027	928,304	1,315,209
Knox	100	618,960	449	4	36	132,878	1,031,464	1,356,776
Kosciusko	177	449,039	574	3	12	133,785	563,283	904,549
Lagrange	79	236,060	193	4	5	40,700	253,002	375,503
Lake	64	699,130	269	1	11	93,410	3,165,552	3,497,900
La Porte	155	1,201,910	1,496	85	51	538,204	2,332,471	3,393,862
Lawrence	87	232,425	259	26	15	47,808	257,484	399,648
Madison	167	525,250	585	8	34	176,733	774,472	1,194,312
Marion	809	10,366,985	9,118	839	513	4,027,473	19,855,886	28,425,874
Marshall	142	510,000	481	2	12	125,189	831,630	1,175,085
Martin	59	230,540	340	.....	22	32,879	164,136	245,648
Miami	113	1,205,750	767	81	76	257,702	806,305	1,311,353
Monroe	71	268,650	328	3	25	71,717	329,279	489,996
Montgomery	148	569,919	581	32	28	173,963	729,313	1,138,303
Morgan	106	216,480	412	1	26	93,968	593,442	819,985
Newton	26	30,375	32	.....	.....	9,087	59,993	91,548
Noble	189	527,070	546	2	8	165,619	688,840	1,076,319
Ohio	29	94,250	89	9	.....	23,850	142,105	200,945
Orange	77	95,950	181	.....	.....	26,145	185,493	275,826
Owen	63	122,800	168	3	4	23,714	206,973	287,475
Parke	109	347,168	304	1	2	53,022	295,999	459,409
Perry	67	472,760	292	201	50	99,487	370,940	595,843
Pike	25	69,795	84	5	1	10,389	125,820	159,470
Porter	68	348,000	324	36	54	108,487	452,137	694,457
Posey	141	368,710	397	4	7	122,300	1,125,810	1,416,989
Pulaski	19	67,800	44	.....	.....	7,370	97,006	124,752
Putnam	104	362,285	502	11	29	205,452	504,153	881,013
Randolph	130	316,960	436	32	45	123,779	674,912	935,261
Ripley	157	314,440	402	12	23	113,253	476,975	745,354
Rush	132	251,835	363	2	10	88,660	381,957	619,337

TABLE LII.—*Manufactures:* 1880—A.—INDIANA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Saint Joseph	213	3,760,477	3,467	119	367	1,471,983	3,735,130	6,749,756
Scott	29	54,070	85	1	4	8,083	63,295	89,883
Shelby	137	412,560	484	.....	4	126,391	655,822	982,404
Spencer	121	221,385	267	5	2	65,737	387,079	548,249
Starke	9	27,575	14	.....	.....	3,195	62,352	73,717
Steuben	100	197,735	218	2	2	58,316	339,274	489,954
Sullivan	80	183,438	206	10	4	53,698	460,228	596,538
Switzerland	36	107,945	150	1	1	34,572	169,132	248,428
Tippecanoe	238	1,213,298	1,473	94	55	584,504	1,734,586	2,866,261
Tipton	58	105,505	166	.....	5	28,412	274,325	400,491
Union	49	123,025	109	3	10	33,124	169,090	265,817
Vanderburgh	357	4,823,745	3,060	337	381	1,391,171	5,205,230	8,439,173
Vermillion	47	127,700	105	.....	4	22,025	166,732	222,946
Vigo	269	2,757,775	3,340	144	154	1,492,932	7,072,514	9,709,800
Wabash	193	660,495	687	12	9	152,491	823,878	1,230,287
Warren	49	118,300	113	.....	.....	20,523	166,286	228,246
Warrick	77	160,635	155	1	2	35,158	325,163	438,274
Washington	108	466,735	320	122	24	95,003	515,679	762,532
Wayne	332	2,963,535	2,720	89	129	1,087,391	4,400,503	6,805,259
Wells	85	294,360	343	20	35	99,646	502,577	752,175
White	63	115,940	107	8	1	25,814	228,862	302,835
Whitley	103	280,020	356	4	1	66,926	308,955	473,410

B.—INDIANA, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	11,198	65,742,962	62,072	3,615	3,821	21,960,888	100,262,917	148,006,411
Agricultural implements	96	3,231,818	2,357	1	113	1,010,644	2,182,137	4,460,408
Boots and shoes	12	226,500	304	33	4	111,465	296,448	476,845
Bread and other bakery products.	155	360,910	448	45	26	199,949	779,775	1,291,961
Brick and tile	735	1,408,264	3,908	4	328	716,254	694,226	1,927,858
Carriage and wagon materials.	44	1,249,008	1,761	.....	44	614,128	1,306,566	2,369,723
Carriages and wagons	195	2,732,417	2,790	5	111	1,133,233	1,605,103	3,998,520
Cars, railroad, street, and repairs.	5	450,000	2,483	.....	25	791,267	3,792,600	4,960,500
Clothing, men's	228	810,640	876	807	17	610,114	1,398,380	2,504,816
Coffee and spices, roasted and ground.	9	174,500	62	11	3	26,608	439,450	529,100
Coffins, burial cases, and undertakers' goods.	41	556,100	349	30	15	167,844	222,975	585,466
Confectionery	29	132,400	105	29	20	52,302	286,935	432,080
Cooperage	265	970,560	2,447	.....	140	843,942	1,943,638	3,342,552
Cotton goods	4	1,090,000	193	391	124	162,829	651,434	1,155,029
Fertilizers	10	157,000	168	.....	.....	64,099	724,525	980,725
Flax, dressed	21	158,500	216	30	47	87,050	242,110	420,100
Flouring- and grist-mill products.	996	9,484,023	3,146	.....	13	989,087	26,104,637	29,591,397
Foundery and machine-shop products.	120	3,993,578	3,798	4	128	1,672,520	3,915,164	6,833,648
Furniture	251	2,243,250	2,628	11	221	1,044,367	1,997,177	3,909,591
Furniture, chairs	37	395,850	587	86	99	232,005	246,462	632,746
Glass	4	1,442,000	695	53	114	284,207	433,733	790,781
Iron and steel	12	2,283,000	1,883	.....	165	864,921	3,293,073	4,551,403
Iron nails and spikes, cut and wrought.	1	150,000	300	.....	.....	170,710	251,332	426,968
Leather, curried	93	381,552	181	.....	1	66,080	1,192,434	1,462,776
Leather, tanned	105	653,349	296	.....	7	108,761	971,201	1,266,653

TABLE LII.—*Manufactures:* 1880—B.—INDIANA—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Liquors, distilled	22	2,300,250	415	.....	.....	177,767	2,000,523	2,997,063
Liquors, malt	63	1,609,179	577	.....	.....	257,514	1,092,752	1,990,803
Lumber, planed	84	655,546	691	.....	26	251,410	762,494	1,266,215
Lumber, sawed	2,022	7,048,088	9,926	.....	413	1,571,740	9,627,097	14,260,830
Marble and stone work	156	338,547	582	.....	12	250,599	427,253	980,072
Mixed textiles	5	685,000	208	215	134	209,337	503,052	918,150
Oil, linseed	8	435,000	103	1	2	44,715	1,125,000	1,276,806
Paper, not specified	19	875,000	291	167	26	166,628	741,793	1,112,660
Printing and publishing	99	1,126,320	1,222	108	160	689,590	703,984	1,832,023
Pumps	55	251,400	300	.....	3	112,299	247,925	533,906
Saddlery and harness	458	898,825	1,157	3	30	430,264	1,168,735	2,126,896
Sash, doors, and blinds	40	744,850	583	5	40	236,304	908,133	1,437,350
Saws	3	112,000	64	.....	.....	56,050	161,000	291,000
Sewing-machine cases	3	514,000	768	.....	225	389,243	940,625	1,354,625
Shipbuilding	23	194,250	312	.....	.....	211,736	529,840	810,655
Slaughtering and meat-packing.	25	3,974,000	1,790	.....	25	494,622	13,645,927	15,209,204
Starch	6	625,000	310	16	21	145,880	959,740	1,276,880
Tinware, copperware, and sheet-iron ware.	319	634,418	805	3	32	325,447	798,079	1,553,484
Tobacco, cigars, and cigarettes.	208	298,837	820	24	85	318,158	542,475	1,226,325
Woolen goods	81	2,273,705	846	587	308	462,681	1,823,390	2,729,347
All other industries	4,031	5,413,528	8,321	946	514	3,134,518	6,581,585	13,920,471

A.—IOWA, BY TOTALS OF COUNTIES.

The State	6,921	33,987,886	25,382	1,431	1,559	9,725,962	48,704,311	71,045,926
COUNTIES.								
Adair	14	32,560	25	7	1	4,423	32,590	42,017
Adams	31	40,550	64	.....	.....	17,837	174,827	225,999
Allamakee	88	451,496	228	4	11	79,919	348,408	545,852
Appanoose	51	78,607	100	1	3	26,750	196,625	285,103
Audubon	6	15,100	15	.....	1	3,525	30,650	39,165
Benton	95	221,365	200	3	3	53,837	278,390	418,504
Black Hawk	133	539,578	438	8	10	166,749	1,083,281	1,437,027
Boone	80	254,325	218	16	8	87,417	399,938	680,053
Bremer	59	143,650	125	12	4	36,756	175,483	274,204
Buchanan	75	297,830	174	16	10	56,229	265,640	422,583
Buena Vista	28	58,850	68	1	.....	20,166	140,204	196,008
Butler	45	139,915	79	1	1	20,428	251,892	338,738
Calhoun	25	21,650	30	.....	.....	4,695	41,219	62,757
Carroll	14	42,350	38	.....	.....	10,159	67,425	100,591
Cass	42	127,630	174	1	5	58,418	497,526	635,657
Cedar	65	125,915	82	1	6	24,381	131,478	202,349
Cerro Gordo	31	187,800	59	7	2	22,048	293,880	363,365
Cherokee	31	65,475	69	2	1	25,199	142,770	192,959
Chickasaw	60	128,850	122	1	5	30,603	195,228	288,046
Clarke	36	79,150	69	6	.....	27,580	174,420	249,644
Clay	26	31,875	37	1	1	12,385	94,841	125,237
Clayton	209	783,085	486	13	28	153,173	722,883	1,079,603
Clinton	172	2,752,492	1,419	60	219	581,010	2,704,554	4,080,647
Crawford	54	98,015	115	.....	2	41,300	197,712	306,891
Dallas	63	151,025	91	1	4	18,510	204,723	270,917
Davis	72	90,995	161	.....	4	45,598	159,778	267,425
Decatur	65	116,480	123	2	5	23,253	156,388	234,544
Delaware	155	359,480	294	21	25	90,499	390,614	644,319
Des Moines	134	1,420,373	1,277	59	90	550,293	1,623,936	2,838,053
Dickinson	2	18,000	9	.....	.....	2,025	32,970	38,140

TABLE LII.—*Manufactures:* 1880—A.—IOWA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Dubuque	459	3,749,761	2,796	295	96	1,399,994	4,235,244	6,885,289
Emmet	4	4,900	4	.....	.....	1,150	11,350	15,115
Fayette	98	264,976	180	8	5	45,667	445,400	590,666
Floyd	81	310,160	185	2	7	60,425	366,869	540,865
Franklin	30	61,600	76	1	1	14,214	70,014	106,479
Fremont	70	208,463	198	.....	15	76,655	295,154	481,899
Greene	33	105,005	103	.....	3	21,048	116,443	169,952
Grundy	27	89,750	54	2	2	18,314	71,879	116,675
Guthrie	40	132,255	77	4	.....	20,881	155,888	228,483
Hamilton	44	75,240	73	1	.....	19,983	109,154	167,915
Hancock	1	1,800	.....	.....	.....	.....	6,650	7,533
Hardin	81	296,545	200	10	5	67,814	311,821	471,384
Harrison	56	121,575	139	1	.....	32,466	183,578	267,056
Henry	99	346,280	237	4	12	62,501	467,101	623,815
Howard	47	102,500	85	.....	17	23,500	186,569	264,487
Humboldt	17	72,175	31	.....	1	8,731	56,010	82,670
Ida	4	28,000	21	.....	3	6,375	64,250	80,840
Iowa	58	263,838	227	4	23	68,179	343,133	512,364
Jackson	130	583,630	405	25	24	121,424	1,469,512	1,788,664
Jasper	67	158,510	152	.....	7	35,784	292,290	397,536
Jefferson	65	175,925	127	4	7	35,973	286,159	418,603
Johnson	180	816,466	658	27	43	191,478	887,633	1,332,549
Jones	115	276,490	272	47	.....	79,307	547,679	785,626
Keokuk	130	270,240	206	10	16	52,707	380,452	560,500
Kossuth	28	55,675	66	1	.....	16,425	79,305	122,466
Lee	285	2,146,534	1,574	94	206	600,910	1,978,312	3,192,058
Linn	207	1,564,150	1,170	94	56	464,596	4,249,617	5,205,859
Louisa	40	89,800	98	2	2	26,695	189,806	276,452
Lucas	59	108,975	130	2	13	43,681	163,291	266,344
Lyon	4	32,500	8	.....	.....	3,480	41,430	49,170
Madison	43	90,475	78	1	6	18,909	133,545	205,798
Mahaska	100	392,381	296	11	13	105,593	364,273	611,530
Marion	102	201,835	195	.....	16	46,902	273,114	395,311
Marshall	111	692,538	424	5	4	182,296	1,008,669	1,507,650
Mills	29	80,682	60	.....	3	23,398	209,315	275,235
Mitchell	81	384,485	183	6	4	67,385	478,793	625,559
Monona	33	90,700	82	2	1	16,294	128,940	173,471
Monroe	49	73,755	126	3	4	29,291	166,703	249,905
Montgomery	41	131,475	92	5	2	32,520	164,895	247,320
Muscatine	195	1,056,985	806	81	123	341,404	1,238,421	1,913,149
O'Brien	12	86,825	25	.....	.....	6,135	39,550	57,545
Osceola (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Page	42	89,350	82	.....	1	26,908	129,645	197,503
Palo Alto	16	31,500	38	.....	3	10,702	32,098	57,818
Plymouth	12	128,500	37	.....	1	18,176	277,880	356,381
Pocahontas	2	2,200	2	.....	.....	1,000	500	3,172
Polk	202	1,564,790	1,396	75	104	715,399	3,023,659	4,530,428
Pottawattamie	120	546,541	685	29	5	282,369	1,779,234	2,448,842
Poweshiek	51	244,100	177	58	6	79,062	211,803	411,010
Ringgold	16	18,750	45	2	3	13,350	60,650	92,595
Sac	21	63,900	58	3	5	14,922	99,665	128,959
Scott	241	2,983,157	1,564	85	152	705,603	3,105,143	4,667,511
Shelby	11	46,330	63	.....	1	15,707	74,611	102,660
Sioux	7	14,950	10	.....	1	2,582	19,200	29,530
Story	36	58,650	62	.....	3	19,443	51,988	96,126
Tama	81	242,334	156	1	8	53,581	357,141	502,741
Taylor	32	62,423	77	.....	7	20,405	143,467	209,452
Union	48	125,500	147	.....	5	62,952	289,217	423,695
Van Buren	97	301,400	228	41	16	83,072	449,722	655,084
Wapello	154	1,094,495	943	101	23	375,577	2,706,528	3,506,379

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—IOWA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Warren	60	110,735	121	.....	3	24,838	218,460	314,418
Washington	70	175,350	145	12	1	45,950	388,183	513,043
Wayne	55	62,450	129	2	1	27,677	158,060	245,757
Webster	59	171,525	191	.....	4	65,478	194,878	341,190
Winnebago (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Winneshiek	67	393,786	229	10	3	66,982	512,590	689,125
Woodbury	91	705,550	449	16	14	192,478	846,095	1,233,666
Worth	10	66,000	33	.....	.....	14,600	79,900	110,625
Wright	4	13,300	7	.....	.....	1,500	15,510	20,086

B.—IOWA, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	6,921	33,987,886	25,382	1,431	1,559	9,725,962	48,704,311	71,045,926
Agricultural implements	58	1,185,530	785	1	23	243,635	601,096	1,271,872
Bread and other bakery products.	97	353,633	271	45	31	134,662	541,629	839,712
Brick and tile	280	478,614	2,063	13	175	426,120	270,963	944,497
Bridges	8	685,600	136	.....	2	87,808	242,858	351,476
Carriages and wagons	208	1,505,645	1,372	.....	16	610,017	1,042,758	2,212,197
Cheese and butter	244	657,508	670	91	34	139,813	1,261,316	1,736,400
Clothing, men's	167	665,363	512	377	3	353,100	830,510	1,508,398
Cooperage	112	194,539	515	.....	4	207,573	312,066	660,213
Flouring- and grist-mill products.	713	7,890,859	2,146	.....	1	748,045	16,488,480	19,089,401
Foundery and machine-shop products.	102	1,032,550	1,076	2	28	471,574	747,559	1,594,349
Furniture	169	744,670	723	10	19	314,752	626,453	1,293,504
Liquors, distilled	3	118,200	75	.....	.....	20,000	192,338	288,000
Liquors, malt	114	1,987,343	526	.....	.....	218,017	928,135	1,653,851
Lumber, planed	12	94,600	95	.....	6	42,633	161,500	256,800
Lumber, sawed	328	4,946,390	2,526	.....	463	825,244	4,141,885	6,185,628
Marble and stone work	85	240,970	317	1	3	142,200	186,119	499,744
Oil, linseed	7	432,000	94	1	2	46,330	570,812	766,800
Printing and publishing	146	1,125,086	833	79	78	498,229	514,380	1,399,289
Saddlery and harness	451	964,728	988	3	16	380,552	1,173,862	2,068,486
Sash, doors, and blinds	27	713,200	526	.....	95	238,592	847,002	1,286,072
Slaughtering and meat-packing.	38	1,955,500	1,488	.....	44	530,188	9,996,845	11,285,032
Soap and candles	15	135,500	56	5	3	23,418	195,800	259,960
Tinware, copperware, and sheet-iron ware.	321	520,150	614	.....	6	256,266	583,786	1,198,804
Tobacco, cigars	133	263,675	490	39	59	226,961	376,621	830,097
Wire	3	131,000	46	.....	.....	35,135	319,350	447,500
Woolen goods	34	553,500	307	132	60	117,792	435,747	679,904
All other industries	3,046	4,411,533	6,132	632	388	2,387,306	5,114,441	10,437,940

A.—KANSAS, BY TOTALS OF COUNTIES.

The State	2,803	11,192,315	11,139	392	531	3,995,010	21,453,141	30,843,777
COUNTIES.								
Allen	55	95,000	135	7	4	46,449	196,564	299,398
Anderson	33	44,450	48	2	.....	15,450	126,177	178,354
Arapahoe (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Atchison	141	696,725	784	109	25	455,438	1,451,466	2,332,205
Barbour	10	13,200	25	.....	3	2,755	6,433	15,305

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—KANSAS—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Barton	11	55,850	30	.....	.....	10,428	45,834	62,260
Bourbon	67	249,470	289	3	13	116,010	630,869	897,890
Brown	32	38,240	81	1	.....	31,170	118,127	204,228
Buffalo (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Butler	37	94,475	92	.....	.....	31,240	171,404	238,692
Chase	13	42,850	25	.....	.....	5,650	60,016	79,081
Chautauqua	39	52,866	69	.....	3	17,635	104,207	151,547
Cherokee	57	128,750	171	2	3	74,298	152,912	311,526
Cheyenne (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Clark (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Clay	19	85,250	36	.....	2	17,170	207,535	243,160
Cloud	25	29,500	56	.....	1	17,333	138,505	178,275
Coffey	20	93,600	44	.....	.....	11,795	277,034	318,704
Comanche (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Cowley	49	119,245	126	1	2	37,125	196,194	276,803
Crawford	79	126,335	260	.....	1	100,891	257,783	467,121
Davis	20	49,175	44	.....	5	15,740	146,746	195,400
Decatur	1	500	1	.....	.....	40	510	750
Dickinson	32	99,178	79	4	4	21,058	267,294	315,480
Doniphan	44	160,750	144	1	5	29,409	302,506	395,209
Douglas	129	548,035	455	32	40	179,523	766,212	1,150,116
Edwards	1	15,000	3	.....	.....	2,000	44,200	47,750
Elk	37	45,680	57	1	1	10,733	82,977	120,121
Ellis	7	13,900	5	.....	.....	1,479	6,070	10,857
Ellsworth	12	42,050	31	4	.....	10,860	61,760	83,406
Foote (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Ford	9	41,150	32	1	.....	18,750	41,746	74,440
Franklin	50	149,840	198	1	5	71,789	214,492	376,768
Gove (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Graham	1	600	.....	.....	1	30	300	500
Grant (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Greeley (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Greenwood	29	61,690	59	.....	.....	16,644	177,884	230,129
Hamilton (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Harper	5	1,985	3	.....	.....	188	2,306	4,500
Harvey	50	81,475	175	5	3	58,186	386,944	530,126
Hodgeman (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	3	11,000	9	.....	.....	1,840	15,750	19,770
Jefferson	37	87,865	62	.....	.....	18,200	270,868	333,123
Jewell	24	24,128	51	.....	1	10,107	30,809	58,380
Johnson	58	118,450	140	4	11	42,502	231,030	327,328
Kansas (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Kearney (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Kingman	9	21,560	11	.....	.....	3,530	13,350	21,888
Labette	78	235,650	297	6	5	79,581	544,190	747,463
Lane (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Leavenworth	219	1,808,530	2,123	96	86	869,387	2,613,590	4,221,922
Lincoln	11	42,400	16	.....	.....	5,603	71,750	96,850
Linn	42	67,475	86	.....	3	22,310	179,877	243,461
Lyon	54	247,024	231	7	10	69,204	305,010	435,000
McPherson	28	52,400	48	.....	2	12,643	72,425	104,222
Marion	34	64,845	62	.....	3	18,252	158,858	223,191
Marshall	53	310,637	193	29	17	69,142	467,831	668,011
Meade (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Miami	60	95,695	154	5	15	40,214	209,622	318,287
Mitchell	40	130,500	119	.....	2	45,033	257,689	352,951
Montgomery	44	108,625	104	3	2	27,436	221,573	289,822
Morris	32	63,850	63	.....	3	20,102	108,380	154,640
Nemaha	58	84,930	85	1	4	29,808	110,976	198,165
Neosho	43	104,665	84	.....	.....	17,092	180,230	237,123

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—KANSAS—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Ness (*a*)								
Norton	9	23,900	14			3,527	21,575	29,578
Osage	62	100,100	130	3	7	33,837	163,875	255,394
Osborne	13	36,925	33		1	4,613	68,535	85,878
Ottawa	17	26,650	21			6,931	75,385	96,781
Pawnee	24	26,450	47			11,150	36,075	73,755
Phillips	24	48,922	64	2	1	14,182	113,655	150,683
Pottawatomie	51	120,415	59	4	1	18,158	82,238	137,419
Pratt	1	10,000	3			700	20,000	24,000
Rawlins	1	645	2			875	600	2,400
Reno	28	70,765	60		3	14,748	182,696	226,746
Republic	24	31,975	29			7,850	50,652	76,388
Rice	7	5,600	7			2,250	4,550	11,110
Riley	20	46,750	34			10,007	29,420	52,162
Rooks	2	2,050	4			850	4,400	8,000
Rush	3	750	1			25	450	1,725
Russell	14	51,975	36			12,403	184,609	224,129
Saline	38	239,000	138	1	1	43,948	332,813	484,697
Scott (*a*)								
Sedgwick	48	259,525	164	2	12	73,724	655,785	821,092
Sequoyah (*a*)								
Seward (*a*)								
Shawnee	113	745,560	732	45	64	306,507	1,154,149	1,720,891
Sheridan (*a*)								
Sherman (*a*)								
Smith	11	15,055	16			3,894	65,340	81,980
Stafford (*a*)								
Stanton (*a*)								
Stevens (*a*)								
Sumner	60	127,110	127	6	2	41,687	213,768	322,228
Thomas (*a*)								
Trego	2	8,500	4			1,522	11,846	15,306
Wabaunsee	18	44,850	23	3	3	4,515	21,887	35,511
Wallace (*a*)								
Washington	54	71,050	72		5	18,555	81,701	135,381
Wichita (*a*)								
Wilson	50	92,125	145		5	28,526	168,748	245,357
Woodson	14	35,300	20	1	5	5,863	40,394	58,199
Wyandotte	54	1,993,325	1,659		136	494,911	4,961,180	6,625,229

a Returned as having no manufactures.

B.—KANSAS, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	2,803	11,192,315	11,139	392	531	3,995,010	21,453,141	30,843,777
Brick and tile	103	125,825	948	19	79	174,111	90,935	355,668
Carriages and wagons	23	247,500	587			217,364	357,920	745,890
Clothing, men's	46	76,300	149	40		82,818	124,175	275,349
Flouring- and grist-mill products.	320	3,935,828	1,329		3	520,300	10,286,121	11,858,022
Foundery and machine-shop products.	25	463,300	563		6	304,874	386,208	889,294
Furniture	75	282,245	377	2	15	153,432	232,300	512,089
Iron and steel	2	450,000	570		60	166,500	734,245	1,004,100
Lumber, sawed	146	262,975	507		9	66,757	447,449	682,697
Printing and publishing	50	289,565	353	75	79	197,862	212,359	519,597

TABLE LII.—*Manufactures:* 1880—B.—KANSAS—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Saddlery and harness	176	338,605	403	2	6	155,877	468,383	835,934
Slaughtering and meat-packing.	14	1,669,400	1,017	.....	53	263,600	4,320,802	5,618,714
Tinware, copperware, and sheet-iron ware.	143	299,675	296	.....	3	135,939	332,617	629,603
Tobacco, cigars, and cigarettes.	55	170,100	266	4	35	124,007	246,732	479,089
Zinc	2	110,000	180	.....	.....	110,000	90,000	254,000
All other industries	1,623	2,470,997	3,594	250	183	1,321,569	3,122,895	6,183,821

A.—KENTUCKY, BY TOTALS OF COUNTIES.

The State	5,328	45,813,039	30,949	3,529	2,913	11,657,844	47,461,890	75,483,377
COUNTIES.								
Adair	29	34,700	66	.....	.....	5,878	45,921	66,803
Allen	35	59,100	97	4	2	20,276	102,086	148,035
Anderson	40	283,900	162	.....	3	47,615	411,765	606,300
Ballard	27	49,800	89	.....	.....	12,817	51,842	93,501
Barren	76	125,297	193	.....	6	39,535	210,740	317,906
Bath	49	75,625	74	10	1	20,783	72,301	132,525
Bell	1	500	1	.....	.....	100	475	800
Boone	53	295,165	107	3	6	30,896	323,569	506,233
Bourbon	78	466,825	264	3	8	94,175	439,380	711,235
Boyd	60	1,601,100	632	6	164	314,206	867,904	1,495,694
Boyle	52	113,105	143	.....	8	40,798	136,918	229,542
Bracken	32	50,575	61	.....	1	13,883	170,130	225,213
Breathitt	3	4,100	13	.....	.....	1,600	5,483	8,400
Breckinridge	50	77,800	105	.....	5	15,822	105,002	156,335
Bullitt	38	94,775	127	.....	1	27,900	127,065	202,940
Butler	10	22,050	57	.....	4	12,360	38,242	59,520
Caldwell	24	57,665	53	.....	10	13,633	94,942	134,495
Calloway	25	32,325	36	.....	1	6,590	114,750	137,200
Campbell	124	1,901,915	1,818	85	118	765,859	2,918,561	4,587,675
Carroll	39	256,155	150	53	64	48,875	252,003	384,825
Carter	7	195,100	332	.....	30	104,320	99,815	164,568
Casey	32	79,985	90	.....	2	27,535	93,705	155,349
Christian	76	298,200	284	.....	9	85,978	518,695	714,052
Clark	60	93,280	90	.....	9	13,543	78,232	131,700
Clay	2	13,500	25	.....	.....	7,050	5,550	15,725
Clinton	14	26,700	23	.....	3	4,315	33,612	45,234
Crittenden	22	30,241	29	.....	1	4,093	32,588	47,609
Cumberland	4	5,200	.....	.....	.....	.....	12,632	14,023
Daviess	132	1,350,113	606	74	99	258,258	1,158,407	1,915,132
Edmonson	3	5,650	7	.....	.....	2,050	17,095	22,757
Elliott	4	3,700	11	.....	.....	616	9,070	11,141
Estill	11	152,700	267	.....	.....	32,641	29,771	52,712
Fayette	112	929,426	631	9	92	280,216	1,035,385	1,701,867
Fleming	65	112,316	81	2	.....	15,355	208,849	270,708
Floyd	2	5,300	3	.....	.....	600	4,800	6,700
Franklin	79	1,087,575	484	10	57	175,534	988,408	1,491,589
Fulton	14	76,100	115	.....	4	42,000	113,125	201,150
Gallatin	16	26,400	22	.....	.....	4,800	31,490	49,005
Garrard	34	72,425	49	.....	.....	15,544	81,525	130,231
Grant	78	105,915	113	1	2	24,192	196,605	288,243
Graves	62	135,460	170	7	18	28,177	221,624	299,220
Grayson	25	49,750	78	1	.....	10,950	83,445	117,770
Green	26	37,600	36	.....	.....	3,775	42,120	56,918
Greenup	25	1,311,810	893	.....	50	172,215	212,596	287,069
Hancock	20	30,900	57	.....	.....	14,011	24,953	55,865

TABLE LII.—*Manufactures:* 1880—A.—KENTUCKY—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Hardin	82	126, 299	173	2	9	33, 475	245, 187	369, 731
Harlan (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Harrison	63	637, 015	166	.....	4	54, 217	445, 946	652, 602
Hart	53	85, 530	97	.....	5	11, 017	99, 199	140, 492
Henderson	43	174, 280	131	.....	7	38, 125	254, 377	364, 094
Henry	74	167, 431	134	.....	2	33, 130	157, 790	256, 145
Hickman	29	51, 668	92	.....	4	22, 760	147, 960	207, 531
Hopkins	32	76, 125	96	.....	8	17, 782	52, 342	106, 892
Jackson (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Jefferson	1, 155	21, 918, 138	13, 651	2, 829	1, 157	5, 879, 999	21, 399, 470	35, 748, 328
Jessamine	61	176, 380	146	.....	22	52, 354	407, 166	561, 340
Johnson	6	8, 900	4	.....	.....	370	3, 235	5, 970
Kenton	213	3, 223, 391	2, 271	223	453	1, 038, 823	3, 960, 427	5, 912, 480
Knox	11	7, 750	16	.....	.....	1, 632	8, 000	11, 900
La Rue	23	61, 900	66	.....	6	10, 851	68, 944	97, 238
Laurel	5	8, 000	6	.....	.....	1, 666	23, 466	31, 350
Lawrence	8	15, 762	20	.....	8	7, 080	26, 531	40, 588
Lee (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Leslie (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Letcher (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Lewis	68	127, 905	242	9	25	49, 682	195, 734	313, 888
Lincoln	61	110, 285	113	5	10	25, 947	116, 166	174, 819
Livingston	16	24, 225	40	.....	.....	10, 308	59, 100	90, 883
Logan	72	255, 400	195	3	18	53, 368	514, 025	667, 368
Lyon	13	586, 700	330	.....	6	107, 550	79, 808	181, 905
McCracken	87	666, 375	689	17	81	288, 750	805, 158	1, 346, 151
McLean	11	28, 250	27	8	5	6, 910	33, 720	54, 680
Madison	47	427, 980	247	.....	6	74, 361	588, 300	811, 534
Magoffin	5	12, 200	11	.....	.....	1, 375	10, 650	15, 800
Marion	50	298, 337	168	1	5	58, 735	551, 596	747, 292
Marshall	6	10, 300	9	.....	.....	1, 075	9, 355	13, 054
Martin	3	800	4	.....	.....	400	800	2, 550
Mason	47	865, 600	499	43	99	196, 630	707, 007	1, 222, 114
Meade	33	245, 130	103	38	39	33, 465	186, 848	267, 716
Menifee	7	6, 775	16	.....	1	2, 815	13, 740	23, 026
Mercer	81	205, 400	129	.....	.....	41, 425	243, 197	389, 608
Metcalfe	12	21, 650	29	.....	1	5, 910	24, 096	36, 697
Monroe	26	57, 315	36	.....	.....	6, 862	52, 815	76, 205
Montgomery	56	80, 145	107	3	.....	30, 354	64, 207	132, 956
Morgan	8	12, 700	11	.....	4	3, 400	8, 223	15, 916
Muhlenburgh	36	53, 875	107	6	23	18, 111	54, 122	99, 448
Nelson	80	913, 915	279	3	6	96, 846	839, 941	1, 238, 396
Nicholas	45	56, 090	70	.....	6	18, 164	163, 462	232, 137
Ohio	22	53, 680	58	.....	6	11, 421	53, 565	85, 451
Oldham	40	56, 875	50	1	3	9, 869	79, 620	115, 061
Owen	59	61, 035	67	1	4	15, 255	94, 269	145, 390
Owsley	8	7, 700	14	.....	.....	1, 245	43, 480	55, 877
Pendleton	61	106, 530	101	.....	8	26, 388	173, 158	255, 075
Perry (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Pike	9	11, 050	15	.....	.....	1, 610	23, 170	30, 452
Powell	5	10, 300	17	.....	.....	5, 365	21, 260	31, 670
Pulaski	34	91, 570	97	.....	5	28, 363	140, 698	212, 532
Robertson	15	14, 350	12	.....	1	1, 265	30, 180	39, 305
Rockcastle	16	39, 875	57	1	1	20, 630	123, 570	185, 248
Rowan (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Russell	7	7, 700	8	.....	1	1, 475	15, 110	20, 230
Scott	52	133, 200	121	.....	4	36, 123	166, 699	267, 588
Shelby	70	134, 225	116	.....	.....	31, 442	265, 785	363, 295
Simpson	35	74, 685	71	1	8	13, 115	198, 933	249, 752
Spencer	15	27, 100	28	.....	.....	3, 024	73, 675	89, 361

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—KENTUCKY—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Taylor	39	34,800	63	.....	.....	10,946	99,045	152,165
Todd	40	63,725	83	.....	7	17,355	235,299	293,812
Trigg	28	249,800	55	.....	.....	14,755	102,790	137,719
Trimble	9	113,000	38	.....	2	11,930	133,124	177,305
Union	16	41,550	39	2	.....	13,522	44,640	72,480
Warren	54	412,580	207	62	56	96,282	281,912	501,698
Washington	62	103,225	90	.....	.....	16,795	179,597	240,390
Wayne	20	40,750	21	.....	.....	4,358	54,977	72,342
Webster	19	20,660	36	.....	2	6,235	47,647	67,112
Whitley	7	22,000	16	.....	.....	3,283	29,472	40,089
Wolfe	19	21,605	18	.....	.....	2,425	22,795	30,825
Woodford	69	215,725	177	3	7	56,275	282,134	438,815

B.—KENTUCKY, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	5,328	45,813,039	30,949	3,529	2,913	11,657,844	47,461,890	75,483,377
Agricultural implements	86	2,296,037	999	10	24	364,385	823,392	1,647,116
Boots and shoes	15	197,100	315	129	28	159,587	339,433	578,732
Bread and other bakery products.	128	287,325	274	35	14	101,088	495,144	795,901
Brick and tile	115	302,175	1,162	1	216	233,702	145,503	506,705
Bridges	1	250,000	110	.....	15	70,000	180,000	300,000
Carriages and wagons	95	726,950	898	2	24	376,422	716,940	1,474,475
Clothing, men's	69	767,700	876	825	40	351,616	820,611	1,506,668
Clothing, women's	3	45,000	2	220	25	53,300	275,600	388,900
Coffee and spices, roasted and ground.	4	59,500	25	.....	8	22,892	217,500	296,953
Confectionery	26	188,925	110	19	5	46,414	181,999	318,540
Cooperage	113	410,815	947	.....	13	394,796	573,496	1,243,930
Cordage and twine	9	137,900	155	.....	62	72,923	213,120	354,750
Cotton goods	4	365,000	128	94	133	64,550	259,818	426,286
Flax, dressed	8	163,000	130	.....	70	61,700	419,000	536,700
Flouring- and grist-mill products.	652	3,685,759	1,478	.....	7	336,419	8,406,432	9,604,147
Foundery and machine-shop products.	50	2,283,350	1,992	.....	39	763,392	1,690,171	3,013,079
Furniture	50	542,950	687	5	38	261,550	430,605	949,810
Furniture, chairs	15	136,100	197	12	49	89,236	123,585	257,820
Glass	5	795,000	364	11	147	150,322	134,104	388,405
Handles, wooden	10	72,100	215	.....	13	68,845	139,148	305,986
Iron and steel	29	5,493,035	3,831	.....	264	1,344,400	3,223,799	5,090,029
Leather, curried	46	169,400	112	.....	.....	33,263	554,247	687,883
Leather, tanned	63	1,741,430	516	1	11	204,345	1,799,047	2,511,960
Liquors, distilled	215	6,345,922	1,414	3	13	560,121	5,453,575	8,281,018
Liquors, malt	30	1,260,944	435	1	3	209,143	897,922	1,491,659
Lumber, planed	21	444,268	432	.....	7	184,187	540,197	950,638
Lumber, sawed	670	2,290,558	2,506	1	94	671,939	2,410,743	4,064,361
Malt	2	89,000	26	.....	1	19,000	350,000	510,000
Marble and stone work	45	186,775	281	.....	.....	132,469	200,306	496,980
Mixed textiles	5	615,000	137	210	161	135,948	579,176	869,329
Oleomargarine	1	400,000	75	.....	10	10,000	200,000	250,000
Paper, not specified	2	600,000	172	113	10	82,460	363,070	619,422
Patent medicines and compounds.	12	144,850	36	10	5	15,320	168,650	363,400
Printing and publishing	48	1,401,700	740	106	86	452,113	476,214	1,289,316
Saddlery and harness	164	582,865	660	20	32	261,543	753,346	1,370,885
Slaughtering and meat-packing.	31	2,229,500	389	.....	8	150,576	3,644,059	4,538,888
Soap and candles	5	333,740	72	27	.....	29,700	324,881	393,325
Tinware, copperware, and sheet-iron ware.	127	320,965	344	1	12	149,656	402,866	772,488

TABLE LII.—*Manufactures:* 1880—B.—KENTUCKY—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Tobacco, chewing, smoking, and snuff.	28	1,069,800	1,059	530	382	344,219	2,232,030	3,734,835
Tobacco, cigars, and cigarettes.	107	356,964	560	69	160	220,949	389,007	982,514
Tobacco stemming	20	541,158	138	81	116	67,656	495,529	629,530
Watch cases	1	500,000	200	20	55	150,000	500,000	800,000
Woolen goods	98	890,750	353	253	217	166,189	852,405	1,264,988
All other industries	2,100	4,091,729	5,397	720	296	2,019,509	4,065,220	8,625,026

A.—LOUISIANA, BY TOTALS OF PARISHES.

The State	1,553	11,462,468	10,171	1,335	661	4,360,371	14,442,506	24,205,183
PARISHES.								
Ascension	11	21,000	39	.....	7	10,150	21,060	45,250
Assumption	24	13,400	46	.....	4	10,870	9,192	31,075
Avoyelles	29	30,450	34	.....	7	6,350	12,650	30,050
Bienville	1	1,500	1	.....	.....	200	875	1,500
Bossier	17	22,600	27	.....	.....	3,055	20,806	30,608
Caddo	20	201,810	223	.....	12	57,405	198,217	328,623
Calcasieu	21	122,800	160	.....	16	52,540	283,430	401,825
Caldwell	2	2,350	4	.....	.....	375	2,156	3,500
Cameron (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Catahoula	3	7,400	9	.....	.....	1,875	11,500	16,000
Claiborne	31	52,431	64	.....	.....	10,143	69,588	92,321
Concordia	1	500	1	.....	.....	400	1,000	2,000
De Soto	7	12,500	9	.....	.....	1,520	9,650	15,970
East Baton Rouge	13	45,850	88	.....	9	24,400	43,250	91,800
East Carroll	3	4,000	10	.....	.....	1,005	1,900	4,100
East Feliciana	11	24,000	22	.....	.....	5,110	17,825	36,300
Franklin	1	3,000	5	.....	.....	300	1,000	2,000
Grant (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Iberia	37	321,450	140	.....	5	37,142	60,095	183,574
Iberville	28	54,375	82	.....	1	17,995	63,810	122,350
Jackson (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Jefferson	10	665,550	439	4	5	126,365	530,710	821,441
La Fayette	22	9,550	17	.....	1	3,670	8,921	22,170
Lafourche	16	78,950	81	.....	.....	21,450	38,205	90,150
Lincoln	19	24,705	37	.....	.....	3,476	32,544	45,063
Livingston	5	22,500	22	.....	3	4,300	27,150	41,760
Madison	1	8,000	9	.....	.....	1,500	14,000	18,000
Morehouse	16	32,800	51	.....	1	7,385	22,056	42,850
Natchitoches	5	10,000	17	.....	.....	2,950	8,130	15,800
Orleans	915	8,565,303	7,666	1,286	552	3,717,557	10,771,892	18,808,096
Ouachita	9	33,700	31	.....	2	9,850	35,225	56,375
Plaquemines	1	500	1	.....	.....	280	200	620
Point Coupée	25	15,220	33	.....	.....	5,580	22,905	43,490
Rapides	15	24,599	33	.....	.....	7,870	38,785	57,405
Red River	12	32,650	20	.....	.....	2,680	20,550	29,673
Richland	2	9,000	9	.....	.....	1,250	6,350	10,000
Sabine	1	2,500	1	.....	.....	300	1,100	2,000
Saint Bernard	6	548,500	39	11	2	25,684	1,430,740	1,648,300
Saint Charles (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Saint Helena	15	16,400	29	.....	.....	2,675	36,515	51,332
Saint James	10	11,700	34	.....	3	6,394	5,075	17,800
Saint John Baptist	5	3,900	12	.....	.....	2,800	1,725	6,386
Saint Landry	76	65,200	106	.....	.....	21,379	65,680	132,948
Saint Martin	5	12,500	16	.....	.....	4,925	39,350	50,800
Saint Mary	17	62,950	95	.....	2	26,860	138,645	206,845

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—LOUISIANA—Continued.

Parishes.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Saint Tammany	12	12,450	53	.....	3	12,530	33,500	55,100
Tangipahoa	9	174,100	156	30	21	69,870	208,211	334,800
Tensas (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Terrebonne	29	34,225	95	4	4	12,837	35,065	69,290
Union	13	14,350	32	.....	1	6,374	9,261	27,196
Vermillion	7	5,100	23	.....	.....	3,487	4,600	10,728
Vernon	3	4,100	6	.....	.....	597	3,600	6,000
Washington (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Webster	4	6,600	14	.....	.....	1,752	6,382	11,929
West Baton Rouge	6	9,950	15	.....	.....	3,159	9,500	18,300
West Carroll	1	2,000	8	.....	.....	1,000	6,500	10,000
West Feliciana (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Winn	1	1,500	7	.....	.....	750	1,430	3,690

a Returned as having no manufactures.

B.—LOUISIANA, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	1,553	11,462,468	10,171	1,335	661	4,360,371	14,442,506	24,205,183
Bread and other bakery products.	101	109,920	319	8	17	121,060	542,150	983,960
Clothing, men's	34	190,375	276	628	30	175,971	743,907	1,079,559
Confectionery	21	132,800	86	11	17	33,754	274,571	393,040
Cooperage	124	129,395	423	.....	1	151,830	155,486	419,074
Cotton compressing	19	2,135,000	560	.....	.....	399,780	105,788	747,500
Flouring- and grist-mill products.	84	176,380	107	.....	.....	22,245	397,440	489,848
Foundery and machine-shop products.	31	910,625	916	30	31	489,896	777,000	1,554,485
Liquors, malt	9	160,613	114	.....	.....	55,092	295,778	458,459
Lumber, planed	8	79,500	100	.....	4	44,973	163,710	279,480
Lumber, sawed	175	903,950	943	.....	33	200,063	1,187,059	1,764,640
Oil, cottonseed and cake	12	1,557,500	1,352	19	75	422,165	2,280,910	3,739,466
Printing and publishing	25	303,050	503	4	17	407,946	226,000	764,036
Rice cleaning and polishing	6	225,000	162	.....	.....	56,040	1,328,387	1,573,281
Saddlery and harness	27	172,100	154	1	15	76,549	207,800	377,380
Sash, doors, and blinds	7	295,000	177	.....	.....	87,200	254,250	451,000
Shipbuilding	38	152,100	218	.....	.....	113,526	162,405	343,525
Slaughtering and meat-packing.	1	500,000	18	.....	.....	13,830	1,375,000	1,500,000
Sugar and molasses, refined	4	385,000	190	.....	.....	50,000	1,340,000	1,483,000
Tobacco, cigars, and cigarettes.	47	175,674	680	187	87	179,999	152,156	506,612
Tobacco, chewing, smoking, and snuff.	8	348,000	127	6	88	70,540	242,100	424,085
All other industries	772	2,420,486	2,746	441	246	1,187,912	2,230,009	4,881,753

A.—MAINE, BY TOTALS OF COUNTIES.

The State	4,481	49,988,171	35,431	13,777	3,746	13,623,318	51,120,708	79,829,793
COUNTIES.								
Androscoggin	253	12,009,562	5,065	4,394	745	3,033,897	8,714,373	14,789,963
Aroostook	270	941,460	1,001	22	3	190,615	1,100,175	1,744,052
Cumberland	569	8,542,710	7,650	2,853	1,052	2,584,898	11,266,063	16,540,198
Franklin	207	622,434	577	156	58	139,205	536,657	892,937
Hancock	279	898,285	943	352	234	252,030	955,222	1,584,236

TABLE LII.—*Manufactures:* 1880—A.—MAINE—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Kennebec	356	5,764,547	2,985	1,096	221	1,314,171	4,691,294	7,737,822
Knox	197	1,662,584	1,171	127	3	422,994	1,491,812	2,274,359
Lincoln	126	297,575	457	.....	4	98,444	413,466	614,214
Oxford	260	1,695,030	1,247	322	87	458,501	2,016,713	2,850,063
Penobscot	574	4,024,680	3,485	394	139	1,082,969	6,243,326	8,692,667
Piscataquis	136	1,000,795	917	293	20	289,731	1,092,666	1,710,479
Sagadahoc	96	931,350	1,175	45	.....	461,730	1,337,059	2,089,966
Somerset	307	1,464,973	1,519	460	373	392,661	1,529,249	2,491,302
Waldo	196	496,388	602	164	6	189,258	684,157	1,107,574
Washington	319	2,212,235	2,095	117	48	536,679	3,028,474	4,224,206
York	336	7,423,563	4,542	2,982	753	2,175,535	6,020,002	10,485,755

B.—MAINE, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	4,481	49,988,171	35,431	13,777	3,746	13,623,318	51,120,708	79,829,793
Agricultural implements	28	726,300	440	1	7	174,075	329,675	661,445
Boots and shoes	52	1,369,000	2,634	1,180	105	1,335,168	3,880,446	5,823,541
Bread and other bakery products.	31	155,200	160	10	4	71,804	233,870	377,554
Brick and tile	96	280,549	621	.....	16	106,538	122,887	310,958
Brooms and brushes	11	66,100	120	7	14	38,500	208,025	292,950
Carriages and wagons	46	274,100	322	.....	.....	142,044	201,857	460,609
Clothing, men's	79	443,475	254	1,263	16	262,112	637,546	1,130,381
Cooperage	118	189,913	435	.....	.....	105,614	193,234	385,304
Cotton goods	24	15,292,078	3,858	6,481	1,420	2,936,640	7,320,152	13,319,363
Dyeing and finishing textiles.	4	593,500	594	45	41	166,619	321,989	1,107,616
Fertilizers	13	184,625	119	.....	.....	30,410	198,600	283,650
Flouring- and grist-mill products.	261	993,500	385	.....	.....	109,882	3,560,926	3,966,023
Foundery and machine-shop products.	76	1,793,720	1,652	4	8	681,865	1,131,447	2,232,675
Fruits and vegetables, canned and preserved.	18	926,535	2,349	1,448	1,093	216,400	823,005	1,402,100
Furniture	68	310,950	367	8	7	142,500	282,590	572,275
Iron and steel	3	450,000	683	.....	17	141,494	380,511	583,328
Leather, board	5	120,000	128	10	.....	53,500	164,000	296,000
Leather, curried	34	510,900	262	10	2	99,094	2,290,310	2,612,350
Leather, tanned	83	2,459,700	1,387	.....	6	464,904	5,535,427	7,100,967
Lime and cement	28	942,150	301	.....	.....	86,274	393,309	599,695
Lumber, planed	33	300,000	224	.....	14	89,865	351,471	511,799
Lumber, sawed	848	6,339,396	6,480	.....	183	1,161,142	4,951,957	7,933,868
Matches	3	71,000	64	39	2	38,212	263,693	314,593
Mixed textiles	15	1,290,380	487	451	133	357,595	1,238,247	1,909,937
Oilcloth, floor	4	695,000	289	2	.....	124,500	535,075	713,000
Paper, not specified	12	1,995,000	753	314	.....	325,691	1,347,509	2,170,321
Printing and publishing	48	747,600	410	216	14	297,005	976,317	1,606,098
Saddlery and harness	127	166,165	212	2	2	72,865	225,048	393,326
Sash, doors, and blinds	34	264,350	230	.....	2	92,550	199,350	380,350
Shipbuilding	379	811,750	1,967	.....	.....	838,559	1,935,857	2,909,846
Slaughtering and meat-packing.	6	194,500	83	.....	.....	34,300	1,008,605	1,093,687
Starch	23	294,200	254	.....	.....	23,280	339,611	442,700
Sugar and molasses, refined.	2	460,000	90	.....	.....	34,457	1,416,414	1,499,512
Tinware, copperware, and sheet-iron ware.	99	259,300	227	.....	1	90,304	192,455	400,195
Wood pulp	7	439,000	212	8	.....	80,075	160,595	306,490
Woolen goods	93	3,876,028	1,716	1,109	270	1,044,606	4,294,042	6,686,073
All other industries	1,670	3,702,207	4,662	1,169	369	1,552,875	3,474,656	7,039,214

TABLE LII.—*Manufactures:* 1880—Continued.

A.—MARYLAND, BY TOTALS OF COUNTIES.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	6,787	58,742,384	46,698	21,700	6,547	18,904,965	66,937,846	106,780,563
Allegany	173	2,811,630	1,468	3	105	467,156	1,717,239	2,651,616
Anne Arundel	38	80,400	87	5	29	22,283	105,494	171,699
Baltimore city	3,683	38,586,773	34,086	18,137	4,115	15,117,489	47,974,297	78,417,304
Baltimore	447	7,658,170	3,121	1,563	1,026	1,491,739	7,691,566	11,147,294
Calvert	14	24,500	23	.....	.....	3,785	19,320	29,800
Caroline	80	199,060	183	286	110	29,847	222,405	322,714
Carroll	269	765,436	560	41	40	132,050	994,717	1,457,935
Cecil	170	1,395,484	695	39	30	260,807	1,119,690	1,798,515
Charles	29	49,100	51	.....	.....	6,573	42,837	60,999
Dorchester	69	172,525	158	21	23	39,508	163,566	247,430
Frederick	444	1,828,927	1,704	332	335	315,992	1,995,590	2,806,098
Garrett	77	378,987	248	3	6	58,708	280,387	445,974
Harford	242	1,024,653	1,226	666	425	167,476	767,620	1,195,136
Howard	89	782,466	311	213	120	125,331	602,085	989,615
Kent	82	158,760	140	115	.....	35,743	131,579	249,235
Montgomery	104	400,930	147	14	5	33,360	239,133	323,017
Prince George's	57	415,638	367	117	51	96,124	285,091	463,364
Queen Anne	31	151,011	88	13	20	24,045	169,350	244,011
Saint Mary's	22	69,440	50	.....	.....	9,202	98,421	126,441
Somerset	60	85,450	131	.....	2	30,700	166,089	251,740
Talbot	104	205,824	273	.....	2	67,630	292,430	464,674
Washington	317	1,102,549	949	114	57	235,017	1,424,436	2,161,203
Wicomico	107	236,975	288	3	32	59,709	216,285	381,936
Worcester	79	157,696	344	15	14	74,691	218,219	372,813

B.—MARYLAND, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	6,787	58,742,384	46,698	21,700	6,547	18,904,965	66,937,846	106,780,563
Agricultural implements	36	395,400	338	.....	18	117,791	227,190	574,672
Bags, other than paper	2	185,000	26	110	10	33,052	770,000	850,000
Bells	2	480,000	355	.....	180	189,640	295,000	580,000
Boots and shoes	34	590,600	1,271	450	75	595,603	1,216,118	2,212,963
Boxes, wooden, packing	15	142,712	320	.....	44	147,302	302,273	533,150
Bread and other bakery products.	341	864,022	662	80	62	275,759	1,507,877	2,275,227
Brick and tile	79	1,168,158	2,049	.....	202	478,189	243,284	933,988
Brooms and brushes	31	84,015	213	22	36	75,458	159,064	297,511
Carriages and wagons	81	355,599	559	.....	8	209,972	238,250	595,860
Clothing, men's	220	3,894,943	5,265	5,970	59	1,851,938	6,089,052	9,579,066
Clothing, women's	27	136,250	22	482	23	84,998	265,192	469,718
Coffee and spices, roasted and ground.	13	124,750	46	23	.....	24,503	221,108	299,874
Confectionery	64	390,665	253	93	15	119,728	815,692	1,164,755
Cooperage	72	250,090	454	.....	7	164,122	384,800	657,424
Cotton goods	20	4,605,816	1,229	1,879	947	767,729	2,891,033	4,688,714
Drugs and chemicals	18	655,300	194	47	.....	80,394	531,485	881,125
Fertilizers	48	4,271,870	1,000	.....	13	354,192	3,813,758	5,770,198
Flouring- and grist-mill products.	546	3,145,520	898	.....	.....	219,705	6,965,298	7,954,004
Foundery and machine-shop products.	91	2,684,358	3,116	.....	34	1,509,997	2,103,112	4,454,317
Fruits and vegetables, canned and preserved.	114	2,412,692	4,025	8,220	2,753	990,758	4,506,332	6,245,297

TABLE LII.—*Manufactures:* 1880—B.—MARYLAND—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Furniture	131	863,727	1,058	15	25	431,352	836,825	1,663,143
Furniture, chairs	4	151,250	66	31	2	48,000	130,500	280,000
Glass	8	436,000	524	.....	88	234,254	239,682	587,000
Grease and tallow	7	101,750	22	.....	.....	10,254	213,849	259,021
Iron and steel	23	4,962,125	2,656	.....	107	905,090	2,888,574	4,470,050
Kaolin and ground earths	7	410,400	192	.....	3	87,580	309,300	559,260
Lard, refined	2	240,000	42	.....	.....	20,000	1,445,000	1,544,000
Leather, curried	48	169,127	103	.....	2	36,596	388,608	508,458
Leather, tanned	63	802,343	378	9	5	127,164	1,039,586	1,468,591
Liquors, distilled	16	715,500	156	1	.....	65,340	858,654	1,202,393
Liquors, malt	53	2,145,590	421	.....	.....	200,291	1,001,766	1,820,303
Looking-glass and picture frames.	31	118,550	271	70	25	98,653	160,492	402,423
Lumber, sawed	369	1,237,694	1,216	.....	23	223,786	1,106,795	1,813,332
Malt	6	705,000	98	.....	.....	52,060	547,000	752,000
Marble and stone work	59	673,926	863	.....	10	336,327	467,243	1,007,893
Musical instruments, pianos and materials.	4	638,382	380	.....	5	200,988	157,699	534,099
Oil, lard	1	75,000	18	.....	.....	10,000	500,000	550,000
Paints	11	417,200	113	.....	7	47,751	245,185	412,658
Paper, not specified	25	475,048	298	121	46	119,876	738,140	1,028,591
Patent medicines and compounds.	34	222,825	106	109	45	68,867	438,202	647,893
Printing and publishing	66	2,045,600	797	25	111	443,989	585,857	1,477,164
Saddlery and harness	154	374,075	556	2	84	249,313	459,683	1,004,851
Sash, doors, and blinds	17	463,125	446	.....	38	222,235	411,963	813,005
Shipbuilding	166	1,606,535	1,178	.....	.....	657,789	884,299	1,788,630
Shirts	38	313,930	328	1,284	84	307,867	425,947	949,524
Slaughtering and meat-packing.	9	865,000	228	.....	.....	100,000	3,163,802	3,377,605
Soap and candles	11	271,732	93	.....	6	52,495	254,006	385,790
Stone- and earthen-ware	17	142,950	213	10	63	120,234	80,273	271,944
Straw goods	3	160,800	107	422	15	57,761	264,507	362,982
Sugar and molasses, refined.	3	260,000	106	.....	.....	31,000	756,703	840,986
Tinware, copperware, and sheet-iron ware.	226	1,179,267	1,369	124	302	609,113	2,332,687	3,564,994
Tobacco, chewing and smoking, and snuff.	10	602,600	187	740	128	165,107	1,152,906	1,531,424
Tobacco, cigars, and cigarettes.	369	623,607	1,184	118	104	499,666	711,680	1,730,604
Upholstering materials	3	1,151,500	478	102	142	307,500	527,000	912,850
Wirework	5	90,500	104	.....	2	56,000	226,000	322,000
Woolen goods	14	333,760	171	100	42	59,491	349,724	488,308
All other industries	2,920	5,858,206	7,877	1,041	547	3,350,346	7,091,791	14,428,931

A.—MASSACHUSETTS, BY TOTALS OF COUNTIES.

The State	14,352	303,806,185	228,834	105,976	17,445	128,315,362	386,972,655	631,135,284
COUNTIES.								
Barnstable	139	1,529,754	740	473	19	292,470	866,050	1,506,152
Berkshire	515	13,882,594	6,692	3,521	1,151	3,732,714	11,744,047	19,876,407
Bristol	1,025	42,128,950	20,070	10,530	3,468	11,125,200	24,864,704	46,127,452
Dukes	8	20,250	50	.....	.....	23,106	66,914	97,839
Essex	1,971	41,718,149	38,250	19,585	2,034	21,854,758	64,822,177	103,159,439
Franklin	315	5,058,258	2,941	792	219	1,277,019	2,903,370	5,378,597
Hampden	872	27,163,158	14,361	8,987	1,682	8,355,079	23,981,415	40,654,398
Hampshire	333	7,283,518	4,335	3,057	720	2,419,401	6,603,887	11,786,406
Middlesex	2,069	53,116,628	38,917	19,198	3,020	21,706,749	81,611,183	128,031,850
Nantucket (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Norfolk	644	11,976,494	11,419	4,962	484	6,134,937	17,848,192	28,575,530
Plymouth	676	8,566,141	11,287	2,261	269	5,755,003	14,885,665	23,771,677
Suffolk	3,836	49,277,634	41,055	18,646	1,284	25,634,027	84,441,703	134,567,625
Worcester	1,949	42,084,657	38,717	13,964	3,095	20,004,899	52,333,348	87,601,852

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—MASSACHUSETTS—Continued.

B.—MASSACHUSETTS, BY SELECTED INDUSTRIES.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
All industries	14, 352	303, 806, 185	228, 834	105, 976	17, 445	128, 315, 362	386, 972, 655	631, 135, 284
Agricultural implements	29	910, 000	956	1	16	365, 896	634, 752	1, 670, 242
Bagging, flax, hemp, and jute	5	960, 000	483	390	253	246, 682	531, 521	963, 213
Baking and yeast powders	7	281, 750	45	44	8	31, 980	234, 830	393, 070
Baskets, rattan and willow ware.	29	1, 148, 925	636	251	51	269, 494	405, 645	791, 687
Belting and hose, leather	16	293, 100	130	2	.....	69, 626	676, 863	836, 766
Blacking	22	91, 550	67	47	.....	43, 346	254, 905	419, 926
Bookbinding and blank-book making.	75	626, 278	581	762	33	524, 947	539, 481	1, 360, 577
Boot and shoe cut stock	163	1, 190, 600	1, 152	1, 322	187	700, 432	5, 861, 084	7, 397, 734
Boot and shoe findings	64	318, 600	338	398	33	234, 728	652, 865	1, 155, 923
Boots and shoes	982	21, 098, 133	46, 988	13, 374	1, 289	24, 875, 106	59, 906, 773	95, 900, 510
Boots and shoes, rubber	1	500, 000	400	451	11	296, 442	1, 044, 364	1, 707, 842
Boxes, fancy and paper	60	296, 175	220	961	27	302, 856	459, 575	967, 218
Boxes, wooden, packing	109	698, 780	909	38	31	367, 118	1, 068, 006	1, 768, 308
Brass and copper, rolled	4	1, 300, 000	520	.....	.....	201, 405	1, 310, 456	1, 756, 051
Brass castings	49	361, 300	404	2	16	191, 300	411, 853	756, 424
Bread and other bakery products.	292	1, 226, 840	1, 567	305	93	844, 090	3, 122, 104	4, 942, 769
Brick and tile	114	1, 668, 200	2, 370	9	22	465, 589	521, 875	1, 322, 628
Bridges	11	77, 500	225	.....	.....	100, 607	249, 757	424, 876
Brooms and brushes	58	545, 500	535	254	13	290, 854	821, 342	1, 451, 660
Buttons	28	590, 900	472	799	95	391, 974	411, 009	1, 085, 864
Carpets, other than rag	7	4, 637, 646	1, 596	2, 259	53	1, 223, 302	3, 950, 673	6, 337, 629
Carriages and wagons	215	2, 027, 250	2, 619	28	.....	1, 273, 986	1, 952, 237	4, 048, 141
Carriage and wagon materials.	31	413, 550	360	.....	.....	164, 895	432, 151	737, 626
Cars, railroad, street, and repairs.	12	852, 250	759	10	.....	332, 553	1, 024, 960	1, 480, 611
Chocolate	3	475, 000	71	69	.....	56, 055	655, 000	1, 045, 000
Clothing, men's	347	5, 172, 043	2, 740	8, 313	214	3, 832, 244	10, 846, 464	17, 902, 662
Clothing, women's	34	389, 100	233	1, 978	17	470, 195	1, 155, 652	2, 020, 038
Coffee and spices, roasted and ground.	21	368, 200	119	38	1	85, 039	1, 438, 971	1, 680, 229
Coffins, burial cases, and undertakers' goods.	36	369, 300	219	33	4	138, 981	269, 402	494, 435
Collars and cuffs, paper	8	525, 000	69	80	.....	64, 526	731, 542	889, 739
Combs	22	286, 190	451	79	25	205, 162	214, 414	558, 860
Confectionery	76	490, 175	443	345	7	288, 868	1, 529, 340	2, 281, 850
Cooperage	86	386, 734	596	.....	11	231, 089	430, 137	784, 329
Coppersmithing	9	109, 200	145	.....	5	87, 950	122, 800	262, 100
Cordage and twine	29	1, 533, 450	893	136	60	344, 607	2, 195, 311	2, 995, 395
Corsets	11	158, 400	114	1, 241	161	338, 562	557, 100	1, 018, 025
Cotton goods	206	74, 118, 801	22, 609	32, 558	7, 736	16, 240, 908	37, 542, 679	74, 780, 835
Cutlery and edge tools	63	2, 028, 722	1, 686	92	179	808, 788	872, 878	2, 133, 654
Drugs and chemicals	38	1, 120, 350	384	24	5	185, 274	1, 035, 694	1, 676, 630
Dyeing and finishing textiles	28	8, 613, 500	3, 953	562	430	1, 815, 431	4, 566, 174	9, 482, 939
Dyestuffs and extracts	5	293, 000	178	.....	.....	95, 834	557, 221	812, 040
Electroplating	33	141, 350	135	6	3	61, 166	86, 590	253, 600
Envelopes	6	555, 000	151	735	10	235, 227	1, 598, 350	2, 070, 346
Fancy articles	21	190, 850	302	108	48	128, 393	140, 844	341, 393
Felt goods	11	820, 000	455	37	20	163, 440	1, 198, 339	1, 627, 320
Fertilizers	21	1, 738, 150	570	2	.....	225, 813	1, 384, 875	2, 164, 680
Fire-arms	12	3, 321, 455	1, 092	1	29	619, 816	342, 655	1, 158, 227
Flavoring extracts	14	101, 765	39	44	2	33, 116	231, 991	359, 400
Flouring- and grist-mill products.	350	2, 880, 365	683	2	1	290, 070	7, 814, 583	8, 774, 049
Food preparations	13	115, 180	107	19	.....	27, 866	205, 339	288, 496
Foundery and machine-shop products.	549	16, 466, 535	16, 367	197	224	8, 131, 740	11, 236, 199	23, 935, 604
Fruits and vegetables, canned and preserved.	13	316, 400	131	245	49	98, 597	542, 600	762, 988
Furnishing goods, men's	22	96, 124	48	277	9	73, 826	306, 599	524, 165
Furniture	243	2, 464, 675	3, 846	96	43	1, 781, 351	3, 017, 469	6, 041, 618

TABLE LII.—*Manufactures:* 1880—B.—MASSACHUSETTS—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Furniture, chairs	62	1,948,600	2,104	244	45	1,028,087	1,761,779	3,290,837
Furs, dressed	15	65,147	49	73	2	37,516	409,177	508,250
Glass	11	823,000	828	58	60	383,342	329,864	854,345
Glue	19	325,400	242	4	2	99,112	280,016	447,112
Grease and tallow	14	456,500	155	.....	2	80,355	557,030	736,968
Hardware	24	668,850	528	18	22	225,628	301,076	737,400
Hats and caps	37	199,500	584	207	17	236,752	401,357	901,666
Hosiery and knit goods	57	1,467,375	786	2,413	212	608,067	1,394,748	2,483,596
Housefurnishing goods	12	94,400	82	27	4	54,949	177,222	284,783
Ink	10	211,000	60	35	14	47,164	113,680	290,200
Iron bolts, nuts, washers, and rivets.	9	266,000	245	9	29	123,794	300,150	533,952
Iron doors and shutters	1	60,000	100	.....	.....	50,000	200,000	300,000
Iron forgings	9	509,000	214	95	2	140,708	344,894	657,603
Iron nails and spikes, cut and wrought.	36	2,336,055	942	419	224	657,287	1,970,352	3,126,275
Iron and steel	30	6,738,408	6,367	21	125	2,576,539	6,657,232	10,288,921
Jewelry	105	1,936,800	2,485	743	37	1,464,993	1,681,034	4,265,525
Labels and tags	6	290,500	76	60	.....	52,860	341,725	455,325
Lard, refined	3	45,000	25	.....	.....	15,344	236,950	262,984
Lasts	26	230,490	217	.....	1	164,877	110,483	386,903
Lead, bar, pipe, sheet, and shot.	2	174,000	25	.....	.....	15,042	483,024	578,057
Leather, board	14	648,200	169	17	10	52,365	168,600	291,625
Leather, curried	194	4,308,169	4,209	10	32	1,939,122	19,547,978	23,282,775
Leather, dressed skins	27	513,950	589	11	12	280,809	1,359,920	1,931,617
Leather, tanned	133	2,712,130	2,408	.....	32	1,093,973	11,320,288	13,556,721
Linen goods	2	330,000	155	108	48	91,949	341,934	514,451
Liquors, distilled	10	583,840	155	.....	3	67,828	740,060	1,104,391
Liquors, malt	31	3,285,400	1,180	.....	.....	563,547	2,855,046	5,112,227
Lithographing	13	534,550	616	98	23	352,983	463,360	1,046,676
Looking-glass and picture frames.	70	199,600	415	45	14	215,348	374,548	770,908
Lumber, planed	39	742,700	518	.....	5	233,442	773,973	1,197,371
Lumber, sawed	606	2,480,340	1,940	.....	30	431,612	1,904,105	3,120,184
Marble and stone work	199	1,273,489	2,029	1	1	835,244	1,061,482	2,594,182
Matches	3	91,000	57	57	1	40,000	247,500	313,000
Mattresses and spring beds	44	267,212	302	157	16	188,211	658,433	1,008,793
Millinery and lace goods	4	38,500	15	109	20	33,300	224,900	317,000
Mineral and soda waters	30	180,700	214	.....	4	107,619	220,789	434,303
Mixed textiles	69	7,166,800	3,668	3,345	485	2,528,476	7,570,885	13,043,829
Musical instruments, organs and materials.	31	1,324,866	1,466	37	17	876,785	1,028,501	2,354,243
Musical instruments, pianos and materials.	45	1,905,700	1,473	21	10	890,721	1,132,847	2,652,856
Needles and pins	11	185,200	212	55	26	109,719	83,268	257,413
Oil, illuminating	3	90,000	11	.....	.....	6,500	300,000	345,000
Paints	18	596,100	209	8	2	105,805	733,393	987,960
Paper, not specified	96	11,722,046	3,523	3,563	62	2,467,359	9,213,221	15,188,196
Patent medicines and compounds.	40	521,350	247	132	7	187,607	664,486	1,456,376
Perfumery and cosmetics	11	83,100	39	23	1	21,990	187,920	330,600
Plated and britannia ware	6	366,000	587	151	10	366,800	252,110	672,000
Printing and publishing	280	3,712,869	3,819	980	195	2,774,818	2,621,983	7,757,260
Roofing and roofing materials.	60	213,925	317	.....	.....	147,981	369,529	657,264
Rubber and elastic goods	22	1,811,000	881	897	63	649,016	2,722,916	4,206,465
Saddlery and harness	294	520,625	966	43	10	372,914	750,912	1,497,600
Safes, doors, and vaults, fireproof.	3	52,000	170	.....	.....	69,800	186,000	310,000
Sash, doors, and blinds	56	740,345	777	4	30	353,951	816,398	1,389,326
Screws	9	163,000	202	7	14	72,587	123,452	253,590
Sewing-machines and attachments.	12	1,052,200	976	18	17	445,377	634,229	1,366,696
Shipbuilding	276	1,765,450	1,328	.....	.....	804,571	1,173,640	2,281,666
Shirts	20	150,050	66	428	9	111,519	326,554	564,500
Shoddy	30	460,500	334	105	32	173,439	1,308,715	2,305,985
Silk and silk goods	22	1,306,900	353	1,285	188	521,725	1,990,515	3,764,260
Slaughtering and meat-packing.	77	2,904,440	1,258	.....	5	653,149	20,657,330	22,951,782

TABLE LII.—*Manufactures:* 1880—B.—MASSACHUSETTS—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youth.	Total amount paid in wages during the year.	Materials.	Products
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Soap and candles	119	2,005,325	655	29	30	306,539	3,492,604	4,489,555
Soda-water apparatus	3	95,000	189	5	6	73,335	279,638	487,306
Spectacles and eyeglasses	13	96,200	237	18	16	124,675	147,778	330,859
Sporting goods	13	303,000	41	245	25	69,125	268,552	398,890
Stamped ware	2	185,000	262	73	6	141,000	193,000	378,000
Steam fittings and heating apparatus.	18	1,068,000	717	.....	17	369,556	536,984	1,196,544
Straw goods	33	2,361,960	2,531	5,185	93	1,968,232	4,117,162	6,898,628
Sugar and molasses, refined	5	1,979,500	525	.....	.....	288,860	21,482,764	22,880,439
Telegraph and telephone apparatus.	2	112,000	185	.....	15	90,600	239,625	409,930
Tinware, copperware, and sheet-iron ware.	375	1,323,253	1,559	84	19	731,647	1,426,392	2,901,133
Tobacco, cigars, and cigarettes.	271	675,111	1,000	408	27	595,355	1,111,135	2,074,219
Tools	49	614,527	484	11	10	252,244	204,936	625,709
Toys and games	14	136,500	232	40	25	105,613	73,485	256,172
Trunks and valises	25	111,500	177	6	.....	92,163	251,511	430,391
Upholstering	83	172,857	271	57	3	153,757	324,807	611,968
Varnish	7	85,500	24	.....	.....	14,239	230,350	306,500
Watch cases	5	65,000	103	16	3	86,142	274,480	427,371
Watches	5	1,880,500	1,029	575	.....	912,845	730,081	1,915,913
Whips	47	630,410	333	153	8	226,784	381,293	962,892
Window blinds and shades	19	171,750	161	45	12	66,650	209,377	335,932
Wire	8	1,742,009	2,442	22	12	961,400	2,987,900	4,539,399
Wirework	26	328,375	299	130	19	172,928	452,454	761,881
Wooden ware	26	342,550	385	13	39	156,541	269,937	524,680
Wood, turned and carved	118	666,360	969	21	37	413,236	637,795	1,350,018
Wool hats	6	430,325	578	214	101	313,935	829,100	1,438,041
Woolen goods	167	24,680,782	13,146	8,210	2,265	7,457,115	27,839,583	45,099,203
Worsted goods	23	6,195,247	1,813	3,340	630	1,870,030	6,465,476	10,466,016
All other industries	4,759	11,737,541	21,359	1,911	271	10,029,287	17,044,650	35,257,961

A.—MICHIGAN, BY TOTALS OF COUNTIES.

The State	8,873	92,930,959	68,445	4,784	4,362	25,313,682	92,900,269	150,715,025
COUNTIES.								
Alcona	6	146,000	97	.....	5	31,325	152,192	224,792
Allegan	222	1,007,960	754	26	46	255,314	1,609,306	2,328,811
Alpena	41	812,950	679	9	43	206,152	930,135	1,452,057
Antrim	14	571,750	276	.....	6	105,458	230,943	445,474
Baraga	8	91,500	53	.....	1	17,500	170,071	245,675
Barry	90	272,000	296	6	11	76,953	404,158	589,895
Bay	151	5,659,644	3,081	22	193	1,113,393	5,633,431	8,100,163
Benzie	29	360,700	236	.....	10	67,603	400,607	552,295
Berrien	197	1,245,116	1,566	176	96	497,727	1,696,117	2,641,519
Branch	129	489,665	608	51	38	221,374	644,156	1,179,014
Calhoun	147	2,166,050	1,222	112	20	456,934	1,987,101	3,238,515
Cass	132	445,770	399	57	13	129,223	592,448	886,768
Charlevoix	16	66,300	49	1	.....	10,705	48,595	73,618
Cheboygan	15	807,000	170	.....	.....	40,122	395,855	579,532
Chippewa	4	314,500	134	3	5	34,600	84,950	141,995
Clare	8	25,277	99	.....	.....	32,820	89,972	170,150
Clinton	120	390,310	451	9	13	144,306	563,220	1,009,277
Crawford	4	15,200	34	.....	.....	7,175	31,750	59,750
Delta	17	924,600	608	2	1	204,747	501,501	735,451
Eaton	157	431,240	569	3	20	142,964	463,581	831,941
Emmet	19	215,300	125	2	9	39,437	134,219	218,430
Genesee	191	1,456,906	923	55	32	323,823	1,527,951	2,201,120
Gladwin	4	2,300	11	.....	.....	915	3,285	7,655
Grand Traverse	38	684,550	351	1	4	117,210	345,610	590,502
Gratiot	66	289,925	358	7	4	106,505	312,799	535,567

TABLE LII.—*Manufactures:* 1880—A.—MICHIGAN—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Hillsdale	221	658, 812	661	53	20	199, 655	1, 161, 051	1, 648, 411
Houghton	28	256, 937	162	1	16	58, 453	205, 872	354, 588
Huron	89	572, 800	774	.....	27	188, 352	526, 019	899, 159
Ingham	249	957, 210	1, 135	11	46	328, 034	1, 177, 374	1, 967, 820
Ionia	148	805, 350	844	18	15	228, 244	987, 919	1, 544, 296
Iosco	37	1, 365, 900	738	.....	63	246, 920	1, 395, 995	2, 197, 530
Isabella	39	291, 540	142	3	.....	31, 205	144, 317	233, 206
Isle Royale (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	273	1, 987, 057	1, 494	265	17	592, 845	2, 173, 136	3, 620, 731
Kalamazoo	219	1, 658, 176	1, 242	172	66	481, 495	1, 548, 982	2, 703, 375
Kalkaska	11	26, 100	51	.....	.....	19, 300	78, 805	149, 403
Kent	542	6, 132, 904	5, 758	358	489	2, 257, 035	5, 294, 673	9, 578, 779
Keweenaw	3	15, 300	20	.....	3	4, 625	8, 525	16, 400
Lake	24	129, 200	229	5	.....	69, 338	135, 132	276, 003
Lapeer	165	997, 702	931	44	11	286, 390	1, 398, 667	2, 177, 553
Leelanaw	24	130, 000	221	1	.....	14, 909	63, 213	111, 374
Lenawee	348	1, 683, 588	1, 260	111	51	394, 299	1, 603, 886	2, 636, 748
Livingston	86	291, 760	248	1	12	62, 681	372, 972	546, 907
Mackinac	3	495, 000	125	2	.....	33, 750	72, 667	163, 574
Macomb	194	573, 677	789	1	44	227, 926	716, 752	1, 265, 419
Manistee	74	2, 694, 900	1, 301	4	129	467, 546	1, 468, 843	2, 937, 501
Manitou	5	6, 150	28	.....	.....	3, 750	3, 741	8, 960
Marquette	76	1, 272, 425	827	2	26	261, 617	790, 531	1, 246, 975
Mason	44	3, 722, 200	740	.....	47	236, 469	1, 293, 584	2, 120, 749
Mecosta	47	580, 700	420	.....	1	149, 803	516, 480	876, 314
Menominee	19	1, 556, 900	592	13	58	240, 567	1, 461, 516	2, 233, 543
Midland	30	186, 700	212	.....	16	66, 469	248, 880	434, 352
Missaukee	5	12, 500	26	.....	.....	2, 250	6, 200	14, 905
Monroe	130	503, 710	575	11	56	149, 511	527, 284	868, 703
Montcalm	253	1, 905, 400	2, 548	34	19	915, 988	3, 280, 979	5, 440, 109
Muskegon	181	5, 755, 360	2, 969	27	221	1, 080, 810	5, 408, 600	9, 027, 241
Newaygo	65	802, 800	620	4	16	232, 221	1, 106, 814	1, 704, 132
Oakland	332	829, 302	680	235	117	209, 128	1, 248, 878	1, 916, 152
Oceana	52	641, 200	549	3	4	159, 961	383, 294	696, 986
Ogemaw	2	22, 000	7	.....	.....	2, 170	7, 100	11, 900
Ontonagon	2	41, 000	23	.....	8	6, 000	31, 000	57, 500
Osceola	52	456, 325	306	7	15	98, 116	373, 195	583, 454
Oscoda (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Otsego	6	373, 000	110	.....	.....	32, 725	124, 700	218, 500
Ottawa	176	2, 173, 650	1, 255	10	127	409, 090	2, 629, 587	3, 865, 754
Presque Isle	9	29, 300	31	.....	.....	3, 057	8, 321	18, 166
Roscommon	1	100, 000	25	.....	.....	12, 000	45, 000	70, 000
Saginaw	428	5, 155, 235	4, 036	95	398	1, 478, 131	5, 905, 209	9, 312, 465
Saint Clair	209	1, 229, 615	950	18	64	323, 565	1, 483, 573	2, 194, 342
Saint Joseph	222	1, 049, 171	804	21	6	222, 652	1, 171, 019	1, 811, 489
Sanilac	78	193, 575	285	3	6	69, 900	335, 808	555, 966
Schoolcraft	3	671, 000	40	.....	.....	15, 000	75, 800	154, 000
Shiawassee	140	552, 398	588	6	8	172, 051	627, 516	1, 037, 354
Tuscola	128	320, 737	380	9	13	90, 873	451, 945	722, 162
Van Buren	175	941, 455	1, 255	8	25	308, 509	1, 173, 567	1, 818, 740
Washtenaw	277	1, 693, 614	1, 283	146	41	456, 641	2, 026, 095	3, 018, 568
Wayne	1, 088	18, 791, 561	14, 598	2, 540	1, 487	7, 178, 196	19, 984, 231	33, 469, 759
Wexford	36	745, 550	409	.....	4	149, 175	681, 069	1, 137, 042

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—MICHIGAN—Continued.

B.—MICHIGAN, BY SELECTED INDUSTRIES.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
All industries	8,873	92,930,959	68,445	4,784	4,362	25,313,682	92,900,269	150,715,025
Agricultural implements	143	2,488,287	1,958	3	43	650,192	1,337,945	3,102,638
Boots and shoes	10	343,500	690	67	26	340,172	736,184	1,216,255
Boxes, wooden, packing	23	221,880	444	43	99	141,259	301,592	544,045
Bread and other bakery products.	113	433,325	401	27	46	223,095	1,065,907	1,540,465
Brick and tile	179	710,259	1,730	45	158	346,845	236,878	822,475
Bridges	1	300,000	194	.....	96	75,000	269,050	357,023
Brooms and brushes	31	141,050	162	87	102	88,386	163,699	305,177
Carriages and wagons	208	1,739,991	1,934	2	52	769,814	1,272,623	2,741,143
Cars, railroad, street, and repairs.	3	736,896	778	.....	16	405,448	906,211	1,466,256
Charcoal	59	153,425	692	2	2	195,207	123,457	417,264
Cheese and butter	74	129,925	88	23	3	21,103	218,479	317,877
Clothing, men's	136	1,407,625	658	1,064	4	631,163	1,851,037	3,029,478
Confectionery	21	308,475	187	94	10	163,361	624,750	802,273
Cooperage	265	558,569	1,280	.....	56	409,186	827,671	1,584,469
Corsets	7	88,950	36	322	16	80,610	204,700	391,300
Drugs and chemicals	38	216,150	192	21	16	66,609	115,761	447,611
Flouring- and grist-mill products.	706	7,704,464	2,254	.....	1	726,289	20,668,615	23,546,875
Foundery and machine-shop products.	220	5,558,197	3,623	.....	118	1,558,560	2,469,754	5,271,142
Furniture	195	2,442,286	3,015	31	208	1,141,050	1,541,559	3,514,176
Furniture, chairs	10	371,650	393	51	118	100,731	143,692	279,792
Hats and caps	10	303,350	106	143	3	76,419	132,875	303,250
Hosiery and knit goods	11	147,389	80	706	176	92,324	226,627	377,249
Iron and steel	22	4,175,386	3,054	.....	35	922,597	3,279,420	4,591,613
Iron bolts, nuts, washers, and rivets.	1	100,000	58	.....	40	38,030	188,988	283,947
Leather, curried	44	256,311	113	3	.....	51,950	812,065	996,932
Leather, tanned	66	1,081,489	458	3	.....	222,228	1,450,559	2,029,653
Liquors, malt	113	2,212,848	633	6	4	285,726	1,225,886	2,184,392
Looking-glass and picture frames.	30	310,850	315	80	63	155,042	262,655	563,727
Lumber, planed	54	578,500	513	.....	35	202,011	629,630	1,076,049
Lumber, sawed	1,649	39,260,428	22,732	143	1,360	6,967,905	32,251,372	52,449,928
Marble and stone work	86	292,550	423	1	11	206,809	274,446	674,780
Paper, not specified	21	1,033,338	428	132	29	214,812	730,614	1,204,664
Printing and publishing	114	1,374,625	1,151	111	157	623,175	503,899	1,576,523
Saddlery and harness	335	509,336	660	2	12	254,461	662,314	1,276,616
Salt	86	2,147,209	1,416	.....	52	541,852	1,009,733	2,271,913
Sash, doors, and blinds	126	1,624,257	1,474	.....	97	566,004	1,278,996	2,440,402
Shipbuilding	72	476,775	1,537	.....	.....	745,933	1,089,985	2,034,636
Slaughtering and meat-packing.	12	573,000	162	.....	10	89,527	1,712,479	2,065,634
Tinware, copperware, and sheet-iron ware.	291	470,020	652	1	32	290,004	515,677	1,114,874
Tobacco, chewing, smoking, and snuff.	6	545,000	238	175	130	126,725	964,554	1,519,146
Tobacco, cigars, and cigarettes.	162	694,392	1,298	156	156	541,727	968,410	2,146,089
Varnish	3	504,000	62	.....	6	43,100	304,500	452,000
Wooden ware	21	839,550	918	45	135	329,933	398,250	869,993
Woolen goods	39	558,800	203	114	30	76,240	356,614	481,517
All other industries	3,057	6,806,652	9,052	1,081	599	3,575,068	6,590,166	14,031,754

TABLE LII.—*Manufactures:* 1880—Continued.

A.—MINNESOTA, BY TOTALS OF COUNTIES.

Counties.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	3,493	31,004,811	18,937	1,636	674	8,613,094	55,660,681	76,065,198
Aitkin (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Anoka	32	612,400	323	3	4	99,616	1,353,531	1,740,331
Becker	11	124,800	35	.....	.....	18,530	159,600	202,374
Beltrami (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Benton	5	63,200	15	.....	.....	7,700	13,100	22,500
Big Stone	6	4,650	2	.....	.....	375	2,475	6,900
Blue Earth	122	774,235	465	4	19	168,015	819,918	1,188,679
Brown	27	182,005	106	1	3	41,995	380,263	493,486
Carlton	5	148,000	113	.....	.....	42,500	169,200	271,500
Carver	52	215,475	236	.....	39	60,482	260,275	409,787
Cass	1	115,000	40	.....	.....	16,000	75,000	108,300
Chippewa	7	33,850	9	.....	.....	1,948	35,716	45,223
Chisago	36	137,050	71	.....	1	25,431	161,648	237,946
Clay	13	88,175	64	.....	.....	24,738	138,766	215,668
Cook (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Cottonwood	18	50,000	38	.....	.....	9,493	82,536	113,204
Crow Wing	11	39,950	49	.....	.....	14,310	48,505	97,080
Dakota	65	467,725	282	1	2	94,143	766,771	982,199
Dodge	20	91,690	42	.....	.....	10,686	135,480	168,472
Douglas	35	63,675	73	1	.....	20,295	138,282	202,122
Faribault	49	152,475	119	1	1	45,632	403,141	522,891
Fillmore	124	777,875	311	4	1	123,229	1,139,091	1,380,489
Freeborn	25	55,200	54	1	3	18,345	130,796	174,292
Goodhue	141	1,105,260	707	13	16	286,082	1,869,051	2,448,278
Grant	4	24,600	9	.....	.....	2,835	28,490	41,047
Hennepin	442	9,853,166	5,119	457	186	2,732,799	25,431,152	31,601,970
Houston	56	299,400	86	7	.....	28,809	656,824	807,352
Isanti	7	16,900	18	.....	.....	3,245	37,250	52,940
Itasca (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	10	33,300	14	.....	.....	2,374	35,500	45,529
Kanabec	2	4,000	3	.....	.....	551	2,130	3,532
Kandiyohi	11	54,550	27	.....	.....	6,775	76,150	94,712
Kittson	3	2,500	7	.....	.....	520	2,020	3,875
Lac-qui-parle (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Lake	3	11,500	15	.....	.....	2,642	7,725	14,008
Le Sueur	62	167,100	131	.....	2	34,549	362,075	491,617
Lincoln (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Lyon	34	52,200	55	.....	.....	15,345	108,640	153,324
McLeod	58	109,150	71	.....	.....	24,717	137,940	215,821
Marshall (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Martin	2	11,000	3	.....	.....	450	21,522	24,141
Meeker	36	194,725	76	.....	4	29,433	325,429	403,413
Mille Lacs	7	27,450	30	.....	.....	9,240	68,180	89,334
Morrison	25	89,270	44	2	3	12,794	85,168	134,048
Mower	30	170,200	73	1	3	26,938	252,651	324,812
Murray	5	13,050	6	.....	1	1,600	30,050	36,080
Nicollet	77	147,315	124	.....	3	39,789	246,075	365,639
Nobles	2	24,500	11	.....	.....	3,050	32,722	37,400
Olmsted	97	475,031	333	7	3	112,609	548,477	790,973
Otter Tail	41	302,562	121	1	4	41,388	355,205	483,268
Pine	8	56,700	78	.....	.....	18,900	88,450	144,250
Pipe Stone (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Polk	12	66,300	54	.....	.....	15,947	117,400	153,008
Pope	12	21,000	16	.....	.....	2,770	39,400	50,162
Ramsey	597	4,392,391	4,094	1,092	258	2,329,920	5,826,867	10,853,863

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—MINNESOTA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Redwood	23	39,325	18	.....	.....	6,400	37,266	78,157
Renville	6	51,400	28	1	.....	7,000	180,380	213,447
Rice	159	975,325	537	13	14	220,077	2,191,914	2,917,416
Rock	4	15,400	8	.....	.....	2,200	30,310	38,958
Saint Louis	17	280,900	317	12	3	61,145	110,928	203,783
Scott	82	426,125	252	1	12	103,621	988,411	1,255,274
Sherburne	13	95,800	46	.....	12	15,972	129,833	203,799
Sibley	12	63,400	43	.....	.....	13,622	169,294	214,509
Stearns	104	486,825	363	1	3	132,927	714,860	1,062,231
Steele	75	268,175	180	1	1	82,131	496,863	704,985
Stevens	14	44,000	29	.....	.....	9,500	59,000	78,185
Swift	21	64,650	29	.....	1	9,980	136,430	175,742
Todd	17	48,125	35	2	.....	8,442	86,745	116,135
Traverse	1	300	1	.....	.....	104	25	500
Wabasha	90	519,175	281	.....	4	107,924	1,095,067	1,423,086
Wadena	9	20,350	10	.....	.....	2,300	19,770	28,850
Waseca	32	191,980	119	.....	4	33,123	432,645	519,167
Washington	154	3,149,785	1,847	5	40	789,292	3,162,204	4,801,531
Watonwan	11	21,550	12	.....	.....	2,650	7,915	17,860
Wilkin	2	11,200	4	.....	.....	1,150	11,343	14,135
Winona	132	2,104,951	892	2	23	345,384	1,903,239	2,884,026
Wright	62	144,520	103	2	1	24,066	378,772	496,313
Yellow Medicine	5	59,000	11	.....	.....	4,550	110,830	169,270

B.—MINNESOTA, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	3,493	31,004,811	18,937	1,636	674	8,613,094	55,660,681	76,065,198
Agricultural implements	32	2,315,222	1,196	1	.....	507,085	975,890	2,340,288
Boots and shoes	5	463,000	357	24	21	207,218	571,644	930,192
Bread and other bakery products.	46	133,450	122	17	7	58,345	342,260	494,755
Brick and tile	87	281,705	928	5	77	200,208	114,610	502,975
Carriages and wagons	51	423,800	475	.....	.....	218,190	306,620	728,017
Clothing, men's	115	467,875	539	536	14	406,361	910,137	1,662,855
Cooperage	72	301,650	680	.....	41	322,559	529,299	1,007,643
Flouring- and grist-mill products.	436	10,510,362	2,634	.....	.....	1,371,646	37,155,429	41,519,004
Foundery and machine-shop products.	61	927,550	846	.....	1	422,940	860,340	1,606,518
Furnishing goods, men's	2	150,000	74	436	10	138,350	318,090	499,250
Furniture	74	408,855	437	2	7	190,684	247,585	587,800
Fur, dressed	10	130,300	33	66	2	41,370	180,250	373,800
House-furnishing goods	5	108,000	44	25	1	35,740	321,467	510,270
Liquors, malt	101	1,389,900	416	8	11	150,952	647,345	1,153,122
Lumber, planed	18	360,500	283	.....	.....	131,392	398,450	657,377
Lumber, sawed	234	6,771,145	2,732	22	100	924,473	4,529,055	7,366,038
Oil, linseed	2	210,000	60	.....	.....	30,000	277,000	352,000
Printing and publishing	78	817,845	599	33	107	409,104	351,941	1,043,664
Saddlery and harness	194	325,389	405	.....	3	169,839	459,185	859,955
Sash, doors, and blinds	29	562,000	592	1	42	265,896	734,125	1,344,618
Slaughtering and meat-packing.	12	230,000	92	.....	4	41,700	716,153	887,532
Tinware, copperware, and sheet-iron ware.	145	201,131	312	.....	5	157,836	334,814	665,999
Tobacco, cigars, and cigarettes.	54	142,362	221	2	42	142,368	211,250	562,234
Woolen goods	13	190,500	106	73	50	46,108	155,867	253,378
All other industries	1,617	3,182,270	4,754	385	129	2,022,730	4,011,875	8,155,914

TABLE LII.—*Manufactures:* 1880—Continued.

A.—MISSISSIPPI, BY TOTALS OF COUNTIES.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	1,479	4,727,600	4,887	413	527	1,192,645	4,667,183	7,518,302
Adams	52	427,325	317	54	46	100,868	274,801	504,765
Alcorn	65	66,910	130	.....	9	28,410	99,056	167,441
Amite	44	40,700	56	.....	1	5,478	41,373	56,785
Attala	55	70,440	131	.....	.....	17,573	90,718	131,614
Benton	19	24,250	43	.....	8	5,160	34,264	51,969
Bolivar	20	24,475	51	.....	.....	5,728	24,402	43,950
Calhoun	20	33,240	38	.....	.....	4,507	47,095	60,380
Carroll	21	38,300	46	19	11	14,840	23,533	44,638
Chickasaw	19	35,150	42	.....	.....	6,517	86,640	103,512
Choctaw	29	23,150	53	.....	.....	5,946	47,800	65,440
Claiborne	1	3,000	5	.....	.....	500	2,000	3,000
Clarke	20	120,240	81	47	27	23,071	120,551	173,526
Clay	24	34,800	59	.....	.....	10,559	67,375	91,033
Coahoma	3	38,700	56	.....	4	16,500	46,700	70,600
Copiah	50	1,006,510	252	232	175	134,880	403,264	787,844
Covington	12	15,000	18	.....	.....	3,177	21,444	29,263
De Soto	32	30,980	52	.....	.....	5,003	28,320	47,696
Franklin	8	5,970	10	2	.....	1,154	3,964	7,350
Greene	2	4,880	11	.....	1	1,295	12,008	16,320
Grenada	23	27,800	44	.....	1	7,107	22,528	38,718
Hancock	10	93,600	69	.....	14	21,585	66,346	98,550
Harrison	14	78,450	87	.....	8	20,200	123,910	200,650
Hinds	14	218,000	206	.....	14	48,278	94,461	196,450
Holmes	24	31,100	45	.....	.....	6,310	36,761	53,458
Issaquena	1	1,000	3	.....	.....	150	1,400	2,750
Itawamba	9	15,880	12	.....	.....	2,268	20,048	27,694
Jackson	14	116,000	96	4	3	40,215	258,722	363,760
Jasper	12	13,500	22	.....	.....	1,260	16,541	20,955
Jefferson	16	18,150	45	.....	1	6,150	8,775	23,675
Jones	4	3,200	6	.....	.....	433	7,202	9,305
Kemper	20	23,600	29	.....	.....	4,800	54,090	72,180
La Fayette	30	48,900	41	.....	.....	5,795	69,078	86,033
Lauderdale	43	186,600	344	18	11	59,663	300,658	431,461
Lawrence	14	17,300	15	.....	.....	1,340	19,359	25,270
Leake	16	15,550	19	.....	.....	1,950	38,200	44,960
Lee	37	30,925	57	.....	5	4,844	54,080	71,283
Le Flore	3	8,700	11	.....	.....	750	5,925	8,700
Lincoln	25	140,600	132	.....	.....	22,910	122,870	200,015
Lowndes	36	162,300	198	2	.....	36,019	177,423	264,536
Madison	13	57,250	25	.....	.....	4,482	31,389	39,747
Marion (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Marshall	34	130,975	139	.....	13	42,528	108,657	204,305
Monroe	53	84,270	100	4	9	21,685	121,160	184,580
Montgomery	18	21,380	55	.....	10	9,610	29,170	51,568
Neshoba	15	21,600	23	.....	.....	2,801	37,064	44,613
Newton	21	31,075	59	.....	5	5,810	42,268	63,450
Noxubee	36	99,775	113	6	18	17,141	139,706	199,142
Oktibbeha	15	88,000	116	1	8	25,062	43,010	81,529
Panola	31	49,590	70	.....	3	12,405	51,520	83,517
Perry	5	5,150	6	.....	.....	295	4,225	5,540
Pike	20	53,200	58	.....	8	13,345	83,498	124,489
Pontotoc	13	28,260	33	.....	2	2,738	30,904	39,885
Prentiss	24	17,275	38	.....	.....	7,062	53,715	68,005
Quitman (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Rankin	27	19,000	52	.....	4	3,781	30,907	44,669

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—MISSISSIPPI—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Scott	7	9,400	14	.....	.....	2,264	6,780	11,497
Sharkey (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Simpson	4	8,600	11	.....	2	1,425	13,850	19,800
Smith	17	15,800	22	.....	.....	1,911	20,588	25,400
Sumner	9	15,100	22	.....	.....	2,222	6,580	11,625
Sunflower (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Tallahatchie	15	23,075	35	.....	.....	2,369	18,765	25,774
Tate	19	34,450	70	.....	11	16,597	39,061	71,363
Tippah	32	28,010	52	.....	1	5,191	46,156	70,936
Tishomingo	20	51,150	51	13	8	9,962	60,999	85,074
Tunica	1	4,000	3	.....	.....	300	1,150	2,850
Union	18	41,100	49	.....	1	3,375	44,996	56,741
Warren	59	196,475	315	.....	17	185,968	266,361	598,274
Washington	9	143,200	122	3	62	40,600	102,340	188,563
Wayne	24	39,750	102	6	.....	28,110	136,805	206,583
Wilkinson	8	4,225	6	.....	.....	1,522	3,250	9,150
Winston	10	11,900	21	.....	.....	1,808	23,221	28,024
Yalobusha	15	22,250	44	.....	.....	10,602	22,400	51,443
Yazoo	26	77,140	129	2	6	26,481	73,003	122,237

a Returned as having no manufactures.

B.—MISSISSIPPI, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	1,479	4,727,600	4,887	413	527	1,192,645	4,667,183	7,518,302
Cotton goods	9	1,130,640	183	324	215	136,304	345,649	691,415
Flouring- and grist-mill products.	525	889,950	848	.....	.....	96,423	1,535,602	1,762,523
Lumber, sawed	295	922,595	1,123	.....	47	197,867	1,219,116	1,920,335
Oil, cottonseed and cake	8	450,000	440	3	66	94,860	371,080	560,363
Woolen goods	8	331,500	111	61	46	53,100	211,646	299,605
All other industries	634	1,002,915	2,182	25	153	614,091	984,090	2,284,061

A.—MISSOURI, BY TOTALS OF COUNTIES.

The State	8,592	72,507,844	54,200	5,474	4,321	24,309,716	110,798,392	165,386,205
COUNTIES.								
Adair	47	77,685	131	.....	17	31,974	157,000	257,100
Andrew	64	137,755	158	.....	3	25,360	312,397	401,409
Atchison	27	53,050	56	1	.....	11,145	88,434	121,275
Audrain	22	100,600	86	4	9	26,070	215,645	282,155
Barry	18	39,510	23	.....	.....	2,936	57,427	69,593
Barton	21	30,950	52	1	.....	14,395	89,038	126,424
Bates	69	90,940	148	3	6	38,587	259,814	373,961
Benton	33	49,975	40	.....	.....	7,230	112,135	146,248
Bollinger	33	83,845	116	.....	.....	23,471	129,546	182,315
Boone	72	237,281	238	.....	.....	59,831	563,418	721,112
Buchanan	283	1,812,450	2,687	100	170	1,111,692	6,433,896	8,794,473
Butler	14	44,100	106	.....	1	24,159	145,040	208,024
Caldwell	49	95,975	102	.....	.....	22,783	172,124	242,106
Callaway	64	120,500	119	2	17	27,900	219,013	313,684
Camden	9	18,350	14	.....	.....	1,420	24,893	29,475

TABLE LII.—*Manufactures:* 1880—A.—MISSOURI—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Cape Girardeau	168	518,412	416	3	27	113,356	866,161	1,163,174
Carroll	43	123,480	103	.....	1	26,353	210,483	285,923
Carter	3	23,000	40	.....	.....	8,500	31,250	63,500
Cass	36	154,210	120	8	4	35,755	353,326	464,958
Cedar	20	28,200	44	.....	.....	5,642	32,010	47,567
Chariton	51	111,400	121	1	5	24,803	130,965	210,713
Christian	16	18,650	23	.....	4	3,205	33,215	46,644
Clark	11	23,900	15	.....	5	3,855	22,875	39,900
Clay	49	129,125	142	11	5	32,513	282,171	378,915
Clinton	72	98,625	164	2	4	45,489	157,767	287,878
Cole	72	435,147	1,034	31	3	223,935	1,260,138	1,721,384
Cooper	75	283,865	275	2	41	75,382	410,980	624,788
Crawford	19	419,200	698	.....	26	56,550	335,957	580,712
Dade	22	34,500	29	.....	.....	4,921	70,864	91,311
Dallas	8	16,300	12	.....	.....	2,625	77,558	90,624
Daviess	73	114,832	154	1	4	37,140	265,686	403,653
De Kalb	28	27,700	49	.....	.....	9,371	48,683	78,797
Dent	22	133,622	47	.....	.....	9,995	39,396	67,140
Douglas	29	46,000	48	.....	.....	8,738	49,249	81,304
Dunklin	15	33,600	46	.....	.....	5,658	36,361	50,992
Franklin	103	490,575	227	.....	19	63,471	672,719	846,999
Gasconade	59	164,475	116	.....	1	18,372	215,918	285,090
Gentry	91	91,060	135	.....	10	27,885	181,435	275,021
Greene	80	311,270	243	48	45	102,984	346,718	571,555
Grundy	47	90,425	96	4	4	24,742	175,728	252,472
Harrison	51	90,365	104	.....	.....	24,492	112,157	182,233
Henry	82	190,680	219	9	17	92,030	296,601	484,192
Hickory	22	17,375	28	.....	.....	3,941	46,313	63,811
Holt	38	109,415	110	2	5	24,316	192,311	250,493
Howard	44	96,950	100	.....	3	25,980	165,730	234,431
Howell	14	19,575	24	.....	2	3,948	39,998	54,190
Iron	40	1,568,650	75	.....	4	22,290	135,930	201,544
Jackson	292	2,401,805	2,337	238	218	1,482,614	4,166,643	6,983,505
Jasper	118	460,430	429	19	15	161,162	756,162	1,081,371
Jefferson	68	1,444,500	557	41	15	209,390	443,036	782,078
Johnson	76	225,360	148	5	1	46,186	554,570	684,944
Knox	51	87,995	61	7	3	11,678	79,606	137,137
Laclede	18	53,950	53	6	1	13,116	81,573	111,207
La Fayette	62	251,850	207	.....	10	61,110	339,800	496,195
Lawrence	46	130,410	77	.....	1	18,843	88,580	143,354
Lewis	83	131,500	190	.....	11	37,825	253,006	360,125
Lincoln	35	70,350	73	.....	.....	14,410	97,809	142,287
Linn	128	121,560	180	4	12	35,391	237,330	380,204
Livingston	89	214,925	263	13	28	85,185	420,152	637,869
McDonald	13	30,200	28	.....	.....	3,613	41,769	55,409
Macon	96	144,140	247	.....	1	70,004	220,244	373,392
Madison	34	54,500	82	.....	2	15,255	92,332	135,305
Maries	8	14,200	12	.....	4	1,835	9,925	14,870
Marion	157	940,625	820	1	58	287,414	1,905,550	2,697,403
Mercer	63	76,170	109	2	1	26,039	103,595	174,880
Miller	14	22,300	19	.....	.....	4,897	43,163	56,864
Mississippi	30	49,690	100	.....	5	16,024	108,800	168,540
Moniteau	35	78,675	87	3	7	18,613	46,738	91,236
Monroe	73	141,175	177	3	.....	37,730	193,468	299,685
Montgomery	65	146,740	135	10	24	26,860	231,320	313,363
Morgan	32	81,640	52	6	.....	9,946	118,364	146,961
New Madrid	18	39,870	52	.....	1	10,676	51,925	89,362
Newton	55	108,765	193	.....	5	59,633	218,795	351,042
Nodaway	92	197,185	207	6	13	59,569	308,651	483,982
Oregon	7	15,400	14	.....	.....	1,895	16,550	23,071

TABLE LII.—*Manufactures:* 1880—A.—MISSOURI—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Osage	43	47,300	67	.....	.....	15,184	67,285	112,235
Ozark	5	6,800	9	.....	.....	1,000	16,361	21,038
Pemiscot	8	10,275	26	.....	1	3,631	21,250	31,725
Perry	57	197,220	133	.....	1	41,640	411,906	521,823
Pettis	57	169,275	200	4	7	71,047	295,187	448,591
Phelps	32	703,975	81	4	.....	27,136	247,883	322,893
Pike	137	451,300	421	62	108	164,685	761,999	1,138,179
Platte	40	153,050	144	.....	1	35,130	319,211	398,893
Polk	33	47,385	87	.....	6	12,555	162,127	201,557
Pulaski	17	33,800	38	.....	.....	6,529	81,206	104,276
Putnam	32	63,110	108	.....	.....	26,056	71,537	144,399
Ralls	28	36,650	46	2	4	9,298	73,955	108,026
Randolph	67	131,700	164	.....	6	36,751	295,345	425,159
Ray	60	144,965	116	.....	2	25,949	168,563	250,680
Reynolds	17	52,750	70	.....	.....	13,875	80,713	123,725
Ripley	9	8,100	16	.....	.....	2,965	14,940	26,003
Saint Charles	88	615,555	565	32	158	183,492	1,352,819	1,685,653
Saint Clair	20	30,800	26	.....	2	4,959	40,700	57,395
Saint François	42	350,390	114	.....	.....	36,472	216,607	303,459
Sainte Genevieve	46	151,380	122	.....	5	43,546	483,083	608,386
Saint Louis	47	112,175	101	.....	1	32,458	452,907	567,722
Saint Louis city	2,924	50,832,885	33,980	4,761	3,084	17,743,532	75,379,867	114,333,375
Saline	72	174,305	161	.....	.....	37,145	281,772	398,411
Schuyler	47	100,350	119	8	6	27,908	94,175	168,638
Scotland	36	74,775	92	.....	4	27,505	139,516	216,486
Scott	34	122,950	120	.....	5	25,823	162,290	248,476
Shannon	6	8,350	15	.....	.....	2,169	16,884	24,161
Shelby	69	64,455	111	1	1	27,514	111,319	185,307
Stoddard	25	69,500	116	.....	.....	21,276	134,036	189,927
Stone	9	20,100	20	.....	.....	2,775	53,575	65,435
Sullivan	46	139,050	102	2	3	20,141	173,775	242,041
Taney	10	13,000	18	.....	.....	1,453	28,465	33,668
Texas	16	31,800	55	.....	.....	7,868	60,845	82,513
Vernon	35	76,650	118	.....	4	32,862	213,158	290,200
Warren	52	84,475	97	.....	2	17,526	185,130	249,524
Washington	41	205,590	73	.....	.....	18,363	132,937	182,423
Wayne	38	124,525	178	.....	.....	49,299	315,871	460,747
Webster	25	50,600	59	1	9	18,500	100,759	140,033
Worth	29	44,220	58	.....	3	8,975	56,250	85,304
Wright	7	8,850	12	.....	.....	1,521	16,255	20,816

B.—MISSOURI, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	8,592	72,507,844	54,200	5,474	4,321	24,309,716	110,798,392	165,386,205
Agricultural implements	74	645,772	713	.....	13	276,536	599,015	1,141,822
Awnings and tents	11	129,400	50	167	5	57,200	259,885	403,740
Bagging, flax, hemp, and jute	3	370,000	149	161	76	150,216	545,900	867,395
Bags, other than paper	3	575,000	90	110	8	82,000	1,466,000	1,730,000
Baking and yeast powders	12	176,900	74	28	18	56,914	288,400	468,500
Bookbinding and blank-book making	15	145,500	159	58	9	87,800	114,100	282,087
Boots and shoes	26	642,800	864	225	193	447,663	1,224,796	1,982,993
Boxes, wooden packing	16	66,100	128	.....	5	58,426	141,730	251,400
Brass castings	14	186,100	149	.....	8	70,087	395,275	570,450
Bread and other bakery products	227	864,520	773	90	73	405,064	2,159,908	3,250,192
Brick and tile	230	989,415	2,271	8	458	705,975	388,364	1,602,522
Brooms and brushes	48	113,200	199	3	112	102,159	178,515	350,165

TABLE LII.—*Manufactures:* 1880—B.—MISSOURI—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Carriage and wagon materials.	5	138,000	217	.....	3	97,768	139,690	280,600
Carriages and wagons	119	1,054,050	1,557	8	66	699,892	1,183,478	2,483,738
Cars, railroad, street, and repairs.	8	424,200	926	.....	50	411,591	1,405,460	1,931,609
Clothing, men's	170	1,450,254	1,368	1,681	13	882,726	2,104,997	3,822,477
Clothing, women's	15	172,111	75	514	30	141,174	316,143	586,899
Coffee and spices, roasted and ground.	7	240,000	95	2	4	44,090	416,500	598,000
Confectionery	46	319,260	234	190	25	174,574	835,540	1,247,235
Cooperage	182	609,260	1,227	.....	97	510,654	1,017,617	1,904,822
Cotton goods	4	890,500	123	207	182	99,080	377,131	524,580
Drugs and chemicals	21	722,450	236	64	32	130,475	680,545	1,220,211
Fertilizers	2	108,000	64	.....	2	36,720	210,000	380,000
Flouring- and grist-mill products.	872	7,883,675	3,375	.....	1	1,200,493	28,202,782	32,438,831
Foundery and machine-shop products.	97	4,027,163	3,902	.....	42	2,093,224	3,147,187	6,798,832
Furniture	157	1,178,682	1,387	11	76	642,476	1,219,165	2,380,563
Furniture, chairs	12	332,063	324	1	118	146,247	179,167	449,812
Glass	6	1,430,000	709	36	220	381,098	351,871	919,827
Gold and silver, reduced and refined.	1	350,000	125	.....	.....	67,747	4,038,925	4,158,606
Iron and steel	22	9,152,472	2,989	.....	150	734,575	3,249,558	4,660,530
Iron bolts, nuts, washers, and rivets.	4	235,000	123	.....	14	60,498	301,937	493,560
Lamps and reflectors	7	291,600	139	.....	20	74,139	376,540	519,300
Lead, bar, pipe, sheet, and shot.	2	205,000	26	.....	.....	13,000	460,000	548,000
Leather, curried	15	72,500	66	.....	.....	22,804	276,034	336,623
Leather, tanned	26	137,850	107	3	8	43,817	321,805	435,072
Liquors, distilled	20	230,100	54	.....	5	35,338	354,973	527,530
Liquors, malt	64	4,942,700	1,394	.....	108	699,616	2,852,236	5,048,077
Looking-glass and picture frames.	22	327,400	135	1	22	83,351	107,825	282,682
Lumber, planed	26	409,350	546	2	41	245,963	774,442	1,267,636
Lumber, sawed	881	2,867,970	3,408	.....	95	669,644	3,215,292	5,265,617
Marble and stone work	115	376,800	697	.....	21	330,011	354,958	1,003,544
Mineral and soda waters	27	152,000	128	5	28	57,076	102,390	274,100
Oil, castor	2	185,000	56	.....	.....	25,404	158,000	312,000
Oil, lard	3	96,000	25	.....	.....	13,050	505,750	539,000
Paints	16	1,808,350	563	10	4	270,532	2,186,480	2,825,860
Patent medicines and compounds.	27	1,402,700	207	90	15	139,996	502,735	1,197,090
Printing and publishing	131	2,949,660	2,380	250	161	1,538,564	1,515,048	4,452,962
Pumps	11	530,600	112	.....	2	66,680	703,670	932,550
Refrigerators	4	43,700	106	.....	15	54,950	203,300	344,500
Saddlery and harness	355	1,898,723	1,954	12	87	793,536	2,345,485	3,976,175
Sash, doors, and blinds	15	600,795	677	.....	43	279,911	696,671	1,232,670
Saws	2	245,000	80	.....	.....	56,000	130,000	281,000
Shipbuilding	14	247,900	293	.....	.....	196,005	313,392	565,187
Shirts	20	130,700	56	357	1	110,136	146,700	332,852
Slaughtering and meat-packing.	65	2,327,500	1,743	.....	103	657,918	12,352,907	14,628,630
Soap and candles	19	766,927	273	2	3	104,061	1,336,376	1,704,941
Stamped ware	1	800,000	403	87	.....	170,000	550,000	850,000
Sugar and molasses, refined.	1	840,000	250	.....	2	112,270	4,173,100	4,475,740
Tinware, copperware, and sheet-iron ware.	297	656,860	772	18	62	338,597	864,643	1,687,320
Tobacco, chewing, smoking, and snuff.	43	1,440,200	1,008	231	515	493,559	4,243,614	5,286,338
Tobacco, cigars, and cigarettes.	284	443,562	886	15	136	424,363	612,393	1,524,381
Trunks and valises	17	123,600	178	.....	13	87,205	225,575	383,660
Vinegar	20	307,150	145	21	17	86,420	344,500	675,400
Watch cases	1	4,000	15	.....	.....	12,000	200,000	300,000
Wire	3	378,600	494	.....	51	229,480	651,000	973,000
Wirework	8	153,700	134	4	38	60,890	112,620	371,600
Wooden ware	3	187,100	211	.....	53	85,300	227,100	336,600
Woolen goods	98	726,150	412	144	133	109,877	681,711	930,961
All other industries	3,498	7,578,250	9,392	658	416	4,463,111	8,479,546	18,575,609

TABLE LII.—*Manufactures:* 1880—Continued.

A.—MONTANA TERRITORY, BY TOTALS OF COUNTIES.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The Territory	196	899,390	574	3	1	318,759	1,006,442	1,835,867
Beaver Head	11	15,400	9	.....	.....	4,801	11,296	25,604
Choteau	9	18,700	41	.....	.....	27,233	24,196	61,902
Custer	3	3,500	6	.....	.....	2,160	2,600	7,289
Dawson (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Deer Lodge	49	254,025	158	1	.....	97,431	235,816	489,731
Gallatin	22	129,900	68	.....	.....	28,454	195,320	296,530
Jefferson	7	58,000	31	.....	.....	13,529	152,770	247,765
Lewis and Clarke	28	236,600	135	1	.....	86,031	134,158	289,585
Madison	34	78,675	71	1	1	39,580	150,655	259,476
Meagher	9	18,540	23	.....	.....	6,645	24,475	42,960
Missoula	24	86,050	32	.....	.....	12,895	75,156	115,025

B.—MONTANA TERRITORY, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	196	899,390	574	3	1	318,759	1,006,442	1,835,867
Flouring- and grist-mill products.	15	159,500	52	.....	.....	25,765	357,365	475,467
Lumber, sawed	36	208,200	142	.....	.....	47,945	278,098	527,695
All other industries	145	531,690	380	3	1	245,049	370,979	832,705

A.—NEBRASKA, BY TOTALS OF COUNTIES.

The State	1,403	4,881,150	4,464	120	209	1,742,311	8,208,478	12,627,336
COUNTIES.								
Adams	30	63,500	111	.....	.....	33,797	85,967	170,564
Antelope	15	39,100	23	.....	.....	8,516	65,125	88,865
Blackbird	1	1,000	3	.....	.....	700	2,600	4,200
Boone	11	20,300	14	.....	.....	4,220	41,350	55,250
Buffalo	18	60,900	49	.....	.....	16,340	124,550	168,625
Burt	37	45,550	71	.....	.....	18,590	73,843	127,334
Butler	26	50,000	49	1	.....	13,015	60,365	102,114
Cass	46	110,600	154	2	3	61,579	246,577	393,386
Cedar	7	4,400	7	.....	.....	1,320	3,130	6,615
Chase (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Cheyenne	1	200	1	.....	.....	500	200	975
Clay	39	55,445	113	1	.....	27,796	78,142	137,605
Colfax	17	80,125	47	.....	2	19,767	161,229	221,721
Cuming	33	179,800	106	5	8	27,059	66,893	124,841
Custer (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Dakota	15	33,100	40	.....	.....	8,850	59,725	85,834
Dawson (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Dixon	10	12,800	13	.....	.....	2,215	4,975	13,700
Dodge	26	97,650	76	3	.....	29,030	121,955	193,839
Douglas	187	1,978,575	1,565	66	162	757,156	2,910,529	4,754,672

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—NEBRASKA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Dundy (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Fillmore	20	30,130	37	.....	.....	13,055	130,772	173,828
Franklin	11	33,030	21	.....	1	5,287	109,464	134,813
Frontier (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Furnas	25	31,450	50	.....	.....	12,934	55,405	82,209
Gage	31	89,200	61	3	.....	19,612	143,048	205,238
Gosper (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Greeley	2	3,125	2	.....	.....	800	5,700	7,540
Hall	69	90,050	129	4	.....	65,851	218,364	309,127
Hamilton	7	9,900	18	.....	1	5,420	8,767	19,624
Harlan	22	27,900	67	2	.....	13,080	78,671	109,840
Hayes (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Hitchcock	5	2,100	2	.....	.....	250	1,675	5,700
Holt	1	6,000	1	.....	.....	250	2,350	3,200
Howard	14	21,750	36	.....	4	9,066	62,953	85,057
Jefferson	14	55,100	23	.....	.....	7,219	75,902	102,746
Johnson	14	40,300	42	.....	.....	10,165	139,314	170,455
Kearney (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Keith (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Knox	9	29,400	18	.....	3	5,344	41,688	58,453
Lancaster	107	253,125	365	17	2	202,040	673,716	1,112,079
Lincoln	26	74,200	60	2	1	20,217	65,114	120,020
Madison	31	78,025	46	1	.....	16,465	234,678	285,925
Merrick	15	51,700	20	1	2	5,781	46,352	64,362
Nance (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Nemaha	43	53,360	94	.....	.....	24,555	133,850	204,546
Nuckolls	4	34,500	16	.....	.....	5,679	70,219	92,500
Otoe	74	169,610	188	2	7	67,603	424,675	611,319
Pawnee	23	32,950	43	.....	.....	11,330	48,705	79,987
Phelps (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Pierce (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Platte	23	36,350	63	.....	1	22,553	57,248	113,750
Polk	19	25,350	48	.....	1	10,050	67,042	95,943
Red Willow (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Richardson	85	133,025	147	.....	.....	37,234	218,128	329,551
Saline	26	88,200	91	6	4	23,270	143,191	207,396
Sarpy	14	62,425	25	.....	.....	7,075	101,941	124,261
Saunders	32	86,575	60	.....	3	16,768	170,300	221,403
Seward	30	115,600	65	1	1	18,615	175,014	242,232
Sherman	2	450	6	.....	1	250	250	1,100
Sioux (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Stanton	1	350	5	.....	.....	225	190	500
Thayer	12	37,100	17	.....	.....	6,899	137,417	161,078
Valley (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Washington	30	111,275	59	.....	1	18,759	96,740	147,100
Wayne	2	1,200	2	.....	.....	550	400	2,100
Webster	24	88,750	56	3	1	13,895	93,530	139,100
Wheeler (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
York	17	44,550	39	.....	.....	13,715	68,550	93,114
Unorganized territory (*a*)	.....	.....	.....	.....	.....	.....	.....	.....

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—NEBRASKA—Continued.

B.—NEBRASKA, BY SELECTED INDUSTRIES.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
All industries	1,403	4,881,150	4,464	120	209	1,742,311	8,208,478	12,627,336
Brick and tile	87	130,740	585	3	74	150,189	102,078	349,478
Flouring- and grist-mill products.	170	1,615,070	506	.....	.....	165,085	3,532,942	4,193,086
Lumber, sawed	38	93,375	136	.....	4	29,313	164,878	265,062
Paints	1	100,000	40	.....	.....	17,000	200,000	350,000
Printing and publishing	22	191,250	217	31	53	167,438	167,860	419,461
Saddlery and harness	114	214,230	215	2	1	83,039	276,474	477,364
Slaughtering and meat-packing.	12	330,700	189	.....	2	64,717	1,097,839	1,359,397
Tinware, copperware, and sheet-iron ware.	71	132,675	151	.....	2	64,228	165,050	320,680
Liquors, malt	23	427,200	143	.....	.....	56,663	210,109	393,870
All other industries	865	1,645,910	2,282	84	73	944,639	2,291,248	4,498,938

A.—NEVADA, BY TOTALS OF COUNTIES.

The State	184	1,323,300	556	5	16	461,807	1,049,794	2,179,626
COUNTIES.								
Churchill	1	28,000	10	.....	.....	3,000	2,800	15,000
Douglas	10	121,775	31	.....	.....	10,365	144,377	220,607
Elko	12	41,400	17	.....	.....	5,517	47,115	66,735
Esmeralda	16	132,500	45	.....	.....	32,676	80,096	328,231
Eureka	14	75,100	50	.....	.....	41,207	73,315	135,970
Humboldt	5	91,000	19	.....	.....	8,584	114,728	131,110
Lander	4	23,200	4	.....	.....	904	3,909	6,650
Lincoln	13	27,250	17	.....	.....	5,482	21,709	40,996
Lyon	2	26,000	7	.....	.....	10,025	22,569	43,885
Nye	7	11,100	15	3	.....	3,695	3,077	14,319
Ormsby	1	5,000	7	.....	.....	2,675	9,950	18,009
Roop	2	12,300	5	.....	2	1,600	3,000	8,580
Storey	52	576,675	234	1	14	276,956	251,390	736,056
Washoe	29	132,800	87	.....	.....	57,116	248,009	375,028
White Pine	16	19,200	8	1	.....	2,005	23,750	38,450

B.—NEVADA, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	184	1,323,300	556	5	16	461,807	1,049,794	2,179,626
Flouring- and grist-mill products.	7	163,000	31	.....	.....	9,975	369,117	405,089
Foundery and machine-shop products.	5	237,225	109	.....	.....	129,309	109,922	320,955
All other industries	172	923,075	416	5	16	322,523	570,755	1,453,582

TABLE LII.—*Manufactures:* 1880—Continued.

A.—NEW HAMPSHIRE, BY TOTALS OF COUNTIES.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	3,181	51,112,263	29,356	16,184	3,291	14,814,793	43,552,462	73,978,028
Belknap	112	1,400,750	1,309	995	194	653,559	1,600,245	2,963,892
Carroll	148	860,475	833	129	29	265,826	1,240,367	1,811,313
Cheshire	317	3,758,815	3,438	833	252	1,299,427	4,502,889	7,768,943
Coos	194	2,107,250	1,218	17	27	336,010	1,397,362	2,490,356
Grafton	465	2,155,956	1,912	542	64	633,869	2,595,146	4,117,710
Hillsborough	517	20,814,729	8,247	7,577	960	5,130,178	13,789,849	23,671,908
Merrimack	449	6,089,215	3,580	1,477	628	1,875,042	4,974,274	8,742,560
Rockingham	612	4,369,858	3,328	1,127	217	1,503,371	4,013,922	7,034,989
Strafford	186	8,134,515	4,648	2,965	804	2,730,542	8,029,025	13,039,753
Sullivan	181	1,420,700	843	522	116	386,969	1,409,383	2,336,604

B.—NEW HAMPSHIRE, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	3,181	51,112,263	29,356	16,184	3,291	14,814,793	43,552,462	73,978,028
Belting and hose, leather	5	286,094	127	.....	6	60,974	433,185	606,944
Boots and shoes	59	1,696,200	3,390	985	59	1,792,832	4,751,968	7,230,804
Bread and other bakery products.	26	49,935	76	9	.....	36,692	180,086	294,108
Brick and tile	67	120,845	642	.....	.....	118,408	90,251	282,725
Carriages and wagons	30	618,857	436	2	.....	196,337	253,275	559,932
Clothing, men's	61	183,750	125	456	.....	132,081	494,681	731,389
Cotton goods	41	19,993,584	5,138	9,631	1,749	4,322,622	10,329,184	18,226,573
Cutlery and edge tools	12	255,600	257	6	6	100,492	108,364	270,444
Dyeing and finishing textiles.	4	2,987,085	637	111	106	372,873	795,553	1,568,100
Flouring- and grist-mill products.	181	712,555	253	.....	.....	78,284	2,259,718	2,542,784
Foundery and machine-shop products.	71	1,260,635	1,416	21	52	567,825	1,010,495	2,024,656
Furniture	36	333,235	573	3	33	202,064	314,650	741,238
Gloves and mittens	25	187,300	171	300	1	92,574	302,142	478,825
Hosiery and knit goods	24	1,224,000	540	1,098	115	536,117	1,249,600	2,362,779
Iron and steel	2	650,000	289	.....	1	127,690	523,355	807,340
Leather, curried	37	351,850	260	17	.....	114,769	1,824,797	2,161,734
Leather, tanned	53	603,450	445	18	.....	199,146	1,732,564	2,315,616
Liquors, malt	5	845,000	304	.....	.....	138,719	701,523	1,265,477
Lumber, sawed	680	3,745,790	3,056	.....	48	548,556	2,272,991	3,842,012
Marble and stone work	55	153,331	351	1	.....	157,887	91,119	374,603
Mixed textiles	20	1,321,400	653	581	284	494,945	1,456,647	2,703,281
Paper, not specified	25	1,197,000	497	202	3	249,612	1,131,425	1,731,170
Printing and publishing	29	270,050	151	42	5	88,088	91,076	264,750
Saddlery and harness	82	203,350	202	5	1	83,786	211,267	381,551
Sash, doors, and blinds	28	263,700	366	.....	7	141,530	237,402	444,119
Stationery goods	4	204,800	62	18	3	37,050	266,897	355,015
Tinware, copperware, and sheet-iron ware.	89	220,050	251	4	.....	108,873	225,924	463,997
Wood pulp	7	298,600	338	.....	11	138,350	256,900	759,853
Wooden ware	49	322,950	421	2	26	132,260	206,163	431,290
Wood, turned and carved	36	255,625	484	2	125	167,055	189,464	468,943
Woolen goods	58	4,510,271	2,288	1,361	378	1,181,738	4,993,709	8,113,839
Worsted goods	2	2,628,584	505	919	107	512,881	1,582,226	2,694,232
All other industries	1,278	3,156,787	4,652	390	165	1,581,683	2,983,861	6,477,905

TABLE LII.—*Manufactures:* 1880—Continued.

A.—NEW JERSEY, BY TOTALS OF COUNTIES.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	7,128	106,226,593	86,787	27,099	12,152	46,083,045	165,285,779	254,380,236
Atlantic	66	588,600	268	119	41	113,802	419,669	664,569
Bergen	186	2,026,303	1,811	376	265	757,490	2,186,434	3,553,579
Burlington	333	3,001,130	2,047	765	272	829,882	2,930,077	4,471,952
Camden	373	7,728,510	4,693	1,552	499	2,398,668	6,340,659	11,009,206
Cape May	36	60,250	105	.....	.....	31,478	89,655	164,411
Cumberland	302	3,319,155	3,054	1,494	717	1,409,901	2,730,908	5,111,023
Essex	1,568	28,817,405	26,509	6,142	2,985	15,335,849	47,724,275	76,772,350
Gloucester	165	1,907,286	1,329	69	208	590,128	1,045,803	2,357,652
Hudson	802	15,366,125	10,432	3,748	1,203	6,038,347	52,996,058	66,337,124
Hunterdon	374	1,973,625	1,113	198	49	418,215	2,040,428	3,104,070
Mercer	589	7,952,795	7,528	1,197	1,241	3,469,054	8,626,127	14,617,850
Middlesex	278	4,943,270	4,045	2,517	541	1,979,250	5,391,913	9,587,832
Monmouth	277	900,558	842	182	64	267,028	1,259,801	1,806,395
Morris	243	2,223,092	1,511	221	36	502,880	1,878,737	3,075,191
Ocean	72	225,010	214	21	10	55,139	220,755	359,041
Passaic	413	14,378,492	12,091	6,906	3,294	7,705,223	16,535,229	29,833,832
Salem	178	993,366	1,126	360	45	372,247	1,210,197	1,867,120
Somerset	141	793,975	882	333	2	414,570	1,740,436	2,539,524
Sussex	185	1,321,826	700	65	24	271,852	1,457,629	2,289,124
Union	300	3,813,665	4,547	780	550	2,425,742	4,936,878	10,099,789
Warren	247	3,892,155	1,940	54	106	696,300	3,524,111	4,808,602

B.—NEW JERSEY, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	7,128	106,226,593	86,787	27,099	12,152	46,083,045	165,285,779	254,380,236
Bagging, flax, hemp, and jute.	3	380,000	281	272	139	195,007	335,560	574,835
Boots and shoes	89	964,245	2,392	809	117	1,278,269	2,837,861	4,689,286
Boots and shoes, rubber	3	600,000	546	438	15	275,997	1,419,849	2,366,465
Boxes, fancy and paper	16	135,200	104	422	69	147,754	184,650	477,600
Boxes, wooden packing	15	232,300	135	15	22	73,324	214,577	376,990
Brass and copper, rolled	3	366,000	91	.....	45	49,600	223,000	304,500
Brass castings	21	501,350	560	4	10	261,309	222,249	641,596
Bread and other bakery products.	330	737,700	752	45	95	384,798	1,818,174	2,798,311
Brick and tile	107	1,731,300	2,575	26	148	665,482	559,037	1,672,533
Bridges	2	185,709	175	.....	.....	52,484	298,448	415,291
Buttons	25	211,600	544	261	171	331,130	297,500	797,205
Carriage and wagon materials.	26	341,775	292	.....	2	139,219	192,086	498,306
Carriages and wagons	129	1,024,740	1,298	15	28	585,752	755,429	1,808,593
Celluloid and celluloid goods.	5	1,209,000	452	174	109	242,498	388,262	1,251,540
Clothing, men's	186	1,096,709	1,191	1,974	74	988,216	2,870,279	4,737,525
Coal tar	1	275,000	63	.....	.....	30,000	190,000	300,000
Coffee and spices, roasted and ground.	7	116,000	33	3	.....	19,079	240,060	319,888
Confectionery	57	195,550	223	44	35	112,252	592,942	883,325
Cooperage	27	190,300	338	.....	13	123,788	405,421	697,374
Cordage and twine	5	381,400	114	67	43	71,745	630,943	756,521
Corsets	9	104,100	53	340	74	115,698	213,880	371,633
Cotton goods	24	3,961,145	1,262	2,809	765	1,309,997	2,284,819	5,039,519
Crucibles	2	950,000	575	.....	.....	211,000	482,000	800,000

TABLE LII.—*Manufactures:* 1880—B.—NEW JERSEY—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the ye	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Cutlery and edge tools	30	345, 311	591	3	90	306, 275	261, 038	723, 640
Drugs and chemicals	41	3, 830, 750	1, 215	27	30	598, 743	3, 528, 204	4, 993, 965
Dyeing and finishing textiles.	18	1, 473, 000	1, 788	249	161	925, 612	1, 642, 933	3, 365, 769
Fancy articles	16	191, 500	342	44	172	294, 619	172, 533	569, 800
Felt goods	6	313, 000	250	21	15	86, 170	516, 195	685, 386
Fertilizers	21	1, 045, 500	782	40	21	338, 045	1, 853, 700	2, 423, 805
Flouring- and grist-mill products.	481	3, 879, 083	934	.....	2	285, 626	7, 303, 244	8, 459, 944
Foundery and machine-shop products.	188	7, 431, 421	7, 746	102	357	3, 432, 453	6, 138, 852	11, 282, 748
Fruit jar trimmings	1	150, 000	230	93	25	104, 501	318, 708	485, 503
Fruits and vegetables, canned and preserved.	32	767, 806	612	1, 208	225	212, 678	965, 637	1, 417, 086
Furniture	77	340, 350	323	3	20	149, 834	193, 660	480, 798
Glass	27	2, 728, 021	2, 762	46	770	1, 300, 038	1, 088, 346	2, 810, 170
Gold and silver, reduced and refined.	4	60, 000	20	.....	1	9, 350	368, 386	424, 500
Hardware	35	507, 450	392	33	51	217, 090	540, 793	965, 986
Hardware, saddlery	37	870, 200	856	139	150	441, 972	779, 958	1, 609, 555
Hats and caps	79	1, 343, 900	4, 094	1, 271	202	2, 113, 581	2, 103, 082	6, 152, 447
High explosives	1	21, 000	35	1	.....	17, 821	179, 312	274, 000
Hosiery and knit goods	8	804, 570	320	604	146	239, 761	258, 043	861, 181
Iron and steel	40	9, 099, 050	4, 711	.....	81	1, 808, 448	6, 556, 283	10, 341, 896
Iron bolts, nuts, washers, and rivets.	4	160, 050	196	.....	13	85, 263	334, 853	452, 862
Iron forgings	9	391, 941	349	.....	33	150, 190	524, 352	775, 514
Jewelry	68	2, 555, 899	1, 781	264	189	1, 114, 946	1, 967, 054	4, 079, 677
Labels and tags	1	90, 000	70	.....	50	70, 000	100, 000	300, 000
Leather, curried	56	1, 983, 746	1, 283	27	78	762, 697	7, 090, 270	8, 727, 128
Leather, tanned	55	1, 810, 050	1, 227	4	69	716, 599	5, 262, 747	6, 748, 094
Liquors, malt	49	3, 260, 800	1, 121	.....	.....	493, 741	2, 564, 748	4, 532, 733
Looking-glass and picture frames.	19	160, 130	245	39	37	104, 196	243, 650	394, 000
Lumber, planed	11	162, 000	136	.....	27	58, 739	152, 230	254, 285
Lumber, sawed	284	1, 657, 395	760	.....	8	179, 693	989, 979	1, 627, 640
Marble and stone work	85	411, 860	503	1	41	308, 683	286, 512	811, 996
Mixed textiles	10	1, 577, 870	521	906	343	526, 770	829, 038	1, 906, 680
Musical instruments, organs and materials.	5	354, 022	409	2	.....	160, 900	215, 168	467, 000
Oil, castor	1	250, 000	30	.....	.....	15, 000	200, 000	300, 000
Oilcloth, enameled	2	190, 000	130	.....	30	71, 627	603, 200	722, 000
Oilcloth, floor	8	625, 000	384	.....	14	180, 132	878, 169	1, 173, 258
Paints	13	761, 000	164	8	10	71, 204	428, 165	598, 338
Paper, not specified	32	1, 830, 500	670	139	33	272, 936	1, 286, 182	2, 015, 569
Paperhangings	3	270, 000	161	13	10	56, 698	270, 688	454, 469
Patent medicines and compounds.	12	308, 500	113	50	5	62, 076	133, 550	639, 125
Printing and publishing	93	865, 475	859	82	120	477, 224	418, 758	1, 224, 519
Rubber and elastic goods	15	934, 000	715	282	94	347, 924	1, 597, 796	2, 231, 202
Rubber, vulcanized	3	226, 200	335	150	10	154, 700	391, 200	767, 200
Saddlery and harness	194	709, 878	854	69	29	354, 896	875, 211	1, 579, 404
Sash, doors, and blinds	67	806, 925	763	31	28	322, 674	622, 071	1, 150, 115
Saws	3	235, 000	197	6	58	120, 643	114, 462	279, 909
Sewing machines and attachments.	8	1, 152, 755	2, 836	75	400	1, 519, 947	1, 484, 902	4, 640, 852
Shipbuilding	93	943, 070	930	.....	.....	548, 807	649, 194	1, 384, 629
Shirts	34	516, 300	439	2, 180	204	662, 086	1, 196, 329	2, 111, 069
Silk and silk goods	106	6, 952, 325	4, 696	5, 360	2, 493	4, 177, 745	9, 678, 536	17, 122, 230
Slaughtering and meat-packing.	31	1, 775, 200	572	.....	10	374, 278	19, 349, 435	20, 719, 640
Smelting and refining	2	151, 800	300	.....	2	156, 000	8, 137, 500	8, 370, 100
Soap and candles	15	1, 197, 700	246	8	176	187, 383	1, 116, 321	1, 743, 380
Stone- and earthen-ware	49	2, 057, 200	2, 054	458	668	1, 101, 511	1, 030, 598	2, 598, 757
Straw goods	3	54, 800	33	192	.....	30, 150	145, 800	251, 900
Sugar and molasses, refined	4	2, 110, 000	692	.....	5	476, 216	20, 794, 961	22, 841, 258
Thread, linen	1	500, 000	200	730	....	260, 000	750, 000	1, 200, 000
Tinware, copperware, and sheet-iron ware.	165	656, 310	808	38	88	361, 274	796, 999	1, 404, 655
Tobacco, chewing, smoking, and snuff.	6	1, 293, 000	990	1, 994	181	923, 350	3, 492, 949	5, 053, 949

TABLE LII.—*Manufactures:* 1880—B.—NEW JERSEY—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Tobacco, cigars, and cigarettes.	283	479,595	761	71	70	332,276	800,706	1,508,810
Trunks and valises	15	991,800	1,313	160	250	650,822	1,349,855	2,453,923
Varnish	17	430,000	84	.....	3	56,630	551,007	840,774
Watch cases	2	153,000	326	17	77	137,342	517,225	659,817
Wire	3	260,000	430	6	100	273,350	718,000	1,093,500
Wirework	6	248,800	185	32	8	87,649	172,880	308,000
Woolen goods	27	2,530,125	1,827	997	539	996,384	3,162,955	4,984,007
All other industries	2,922	8,091,537	11,037	1,106	1,056	4,982,679	8,583,641	17,959,254

A.—NEW MEXICO TERRITORY, BY TOTALS OF COUNTIES.

The Territory	144	463,275	553	.....	4	218,731	871,352	1,284,846
COUNTIES.								
Bernalillo	3	32,500	26	.....	.....	3,000	17,000	23,520
Colfax	8	8,500	26	.....	.....	6,194	9,100	22,330
Doña Aña	7	45,300	21	.....	.....	7,887	56,575	80,811
Grant	7	16,175	24	.....	.....	5,318	16,230	26,630
Lincoln	6	10,950	10	.....	.....	1,088	6,185	10,720
Mora	9	60,700	18	.....	.....	4,090	56,000	66,086
Rio Arriba	5	23,000	36	.....	.....	5,345	40,525	52,874
San Miguel	43	128,750	251	.....	.....	133,629	321,330	529,071
Santa Fé	21	61,450	76	.....	3	35,695	125,897	204,490
Socorro	12	21,700	21	.....	.....	3,800	69,600	81,110
Taos	15	20,250	23	.....	1	4,210	98,210	114,704
Valencia	8	34,000	21	.....	.....	8,475	54,700	72,500

B.—NEW MEXICO TERRITORY, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	144	463,275	553	.....	4	218,731	871,352	1,284,846
Flouring- and grist-mill products.	51	249,250	134	.....	.....	35,416	435,450	529,171
All other industries	93	214,025	419	.....	4	183,315	435,902	755,675

A.—NEW YORK, BY TOTALS OF COUNTIES.

The State	42,739	514,246,575	364,549	137,455	29,529	198,634,029	679,612,545	1,080,696,596
COUNTIES.								
Albany	1,213	27,873,440	15,230	6,325	2,446	7,866,733	20,600,969	36,258,031
Allegany	400	1,586,096	1,197	62	39	333,068	2,169,402	3,190,385
Broome	403	3,978,824	2,834	696	127	1,289,588	4,894,316	7,536,513
Cattaraugus	538	2,885,309	2,073	76	51	591,507	3,984,591	5,584,808
Cayuga	485	5,554,537	4,242	848	204	1,861,785	5,288,658	9,560,397
Chautauqua	594	4,461,760	3,132	417	242	1,285,166	4,294,587	6,616,654
Chemung	421	3,605,096	2,941	349	124	1,156,479	4,238,245	6,392,717
Chenango	445	1,118,820	1,106	130	37	291,179	1,375,718	2,173,603
Clinton	287	3,246,255	2,403	163	97	724,573	2,829,625	4,149,776
Columbia	385	8,078,830	2,655	1,157	488	1,299,850	4,378,222	7,772,623

TABLE LII.—*Manufactures:* 1880—A.—NEW YORK—Continued.

Counties.	Establishments.	Capital.	AVERAGE NUMBER OF HANDS EMPLOYED. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Cortland	260	1,501,766	1,152	315	55	406,588	2,379,348	3,425,138
Delaware	444	1,190,757	1,035	28	11	238,655	1,223,838	1,919,496
Duchess	460	9,572,594	5,077	1,909	876	2,607,642	7,577,223	12,204,168
Erie	1,831	29,200,731	16,637	2,132	1,443	7,985,093	30,723,295	47,522,471
Essex	188	3,955,950	1,526	76	39	470,136	1,846,630	3,008,617
Franklin	276	1,475,415	1,158	106	27	338,414	1,855,789	2,519,205
Fulton	464	3,621,258	2,701	3,433	145	1,509,564	4,320,997	7,152,019
Genesee	309	932,569	847	102	39	241,375	907,423	1,534,676
Greene	250	1,679,375	1,366	405	483	467,844	1,399,973	2,306,418
Hamilton	19	179,410	144	.....	.....	33,860	307,742	476,994
Herkimer	454	4,355,988	2,620	678	246	1,337,953	3,749,409	6,676,355
Jefferson	696	3,927,230	2,645	382	86	912,813	4,156,253	6,553,014
Kings	5,281	62,719,399	37,878	7,299	3,621	22,867,176	130,108,417	179,188,685
Lewis	338	1,797,365	1,397	55	20	340,696	2,185,867	3,193,655
Livingston	314	1,128,080	953	9	7	222,543	1,037,229	1,625,355
Madison	454	1,977,288	1,325	305	58	425,021	2,205,202	3,354,258
Monroe	1,104	15,347,133	11,228	4,330	1,449	5,749,047	18,594,915	29,949,126
Montgomery	324	6,445,190	2,972	2,339	737	1,723,780	6,136,249	10,375,026
New York	11,339	181,206,356	146,179	71,795	9,378	97,030,021	288,441,691	472,926,437
Niagara	285	3,335,649	2,217	278	215	797,046	3,701,460	5,757,707
Oneida	1,100	12,606,989	7,876	3,886	931	3,427,566	11,098,698	17,808,378
Onondaga	1,227	13,213,178	10,406	3,162	766	3,995,627	12,222,132	20,428,477
Ontario	403	2,123,603	1,345	177	28	472,592	2,480,648	3,679,924
Orange	496	6,650,648	5,067	1,079	646	2,204,083	5,772,067	10,058,463
Orleans	160	824,900	625	28	22	172,852	808,179	1,273,237
Oswego	695	6,203,315	3,893	937	277	1,554,829	8,318,024	12,034,845
Otsego	550	1,589,763	1,197	392	72	353,503	1,498,578	2,372,321
Putnam	46	323,700	179	55	.....	87,981	569,941	841,054
Queens	355	7,536,650	3,197	487	200	1,692,166	5,315,352	9,104,347
Rensselaer	863	18,255,148	13,283	13,013	1,307	8,184,666	17,448,710	33,679,573
Richmond	100	2,658,570	1,439	88	30	676,305	2,807,237	4,635,237
Rockland	156	1,600,390	2,165	364	229	854,308	1,523,888	3,236,385
Saint Lawrence	827	3,842,875	2,792	241	112	810,862	4,532,187	6,614,981
Saratoga	392	5,409,137	3,386	1,388	312	1,436,731	4,882,062	8,053,673
Schenectady	171	1,560,650	2,022	231	78	775,915	1,606,896	2,847,802
Schoharie	244	588,365	471	33	2	89,978	661,029	934,844
Schuyler	174	478,440	413	40	5	92,423	526,772	788,211
Seneca	172	2,407,210	1,245	254	65	584,447	1,570,154	2,927,772
Steuben	610	3,888,905	2,694	124	30	856,091	3,850,743	5,863,128
Suffolk	379	1,686,907	1,350	134	98	419,139	1,301,617	2,176,613
Sullivan	270	804,755	858	.....	21	184,032	1,095,854	1,557,436
Tioga	290	1,758,720	1,209	63	8	325,940	2,098,887	2,931,741
Tompkins	314	2,033,118	1,450	126	46	506,832	1,688,786	2,897,300
Ulster	558	3,958,408	3,701	192	305	1,385,125	3,504,036	6,533,735
Warren	134	2,112,380	1,065	1,960	283	470,837	1,772,737	2,830,141
Washington	355	2,658,188	1,955	182	68	565,335	2,208,225	3,597,512
Wayne	496	2,091,684	1,557	205	85	423,541	1,796,964	2,842,854
Westchester	502	5,659,424	7,542	2,286	674	3,231,364	7,752,838	14,217,985
Wyoming	299	1,073,370	666	85	35	207,286	1,287,599	1,906,825
Yates	145	698,715	631	44	4	186,478	698,422	1,117,475

TABLE LII.—*Manufactures:* 1880—NEW YORK—Continued.

B.—NEW YORK, BY SELECTED INDUSTRIES.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
All industries	42,739	514,246,575	364,549	137,455	29,529	198,634,029	679,612,545	1,080,696,596
Agricultural implements	265	9,580,009	6,335	.....	127	2,513,875	4,580,010	10,707,766
Artificial feathers and flowers.	150	1,101,650	455	3,047	109	950,938	2,257,623	4,343,924
Awnings and tents	46	178,000	182	101	11	106,275	364,794	569,339
Bags, other than paper	8	755,500	271	454	82	338,850	3,119,600	3,884,300
Bags, paper	20	212,100	158	144	7	98,219	452,890	691,072
Baking and yeast powders	28	434,200	249	155	16	215,585	1,644,714	2,142,730
Baskets, rattan and willow ware.	72	162,000	520	172	86	83,805	124,210	309,982
Belting and hose, leather	22	674,209	318	22	26	196,674	1,904,513	2,365,139
Billiard-tables and materials	15	370,069	135	.....	5	82,216	368,618	583,518
Blacking	6	133,500	102	15	6	62,300	200,300	488,160
Bookbinding and blank-book making.	156	2,536,000	2,019	2,178	205	1,680,629	2,445,294	5,296,691
Boots and shoes	272	6,227,537	9,072	3,711	631	4,902,132	11,502,251	18,979,259
Boxes, cigar	54	441,045	599	296	166	373,278	603,337	1,339,668
Boxes, fancy and paper	113	959,010	886	2,354	173	916,049	1,508,391	3,033,777
Boxes, wooden, packing	156	1,742,225	1,487	121	117	684,519	2,309,185	3,610,472
Brass and copper, rolled	1	39,600	85	.....	3	52,031	470,610	583,709
Brass castings	102	1,219,721	1,309	62	204	683,243	1,301,247	2,458,445
Brass ware	8	54,800	127	25	15	56,457	168,643	260,214
Bread and other bakery products.	1,719	5,030,681	4,943	482	245	2,612,982	13,022,040	19,937,953
Brick and tile	321	3,923,405	6,715	29	619	1,613,766	1,196,925	4,108,464
Bridges	4	314,000	171	.....	.....	65,500	319,000	426,000
Brooms and brushes	215	1,581,271	1,814	799	341	814,349	2,030,919	3,705,127
Buttons	18	456,000	255	1,054	123	332,799	366,372	916,262
Carpets, other than rag	10	6,422,158	1,887	3,159	556	1,952,391	4,453,410	8,419,254
Carriage and wagon materials.	62	451,750	422	1	8	139,063	314,536	619,631
Carriages and sleds, children's.	19	287,450	439	18	11	192,228	358,340	703,469
Carriages and wagons	667	5,487,158	6,218	37	173	2,882,672	4,031,422	8,888,479
Cars, railroad, street, and repairs.	26	980,522	1,221	1	39	556,590	1,470,232	2,304,680
Cement	10	193,500	377	.....	10	134,701	164,300	387,958
Cheese and butter	1,652	3,576,214	2,526	808	34	623,391	8,818,708	12,295,353
Chocolate	4	55,500	99	44	.....	26,203	157,403	257,153
Cleaning and polishing preparations.	8	159,000	74	1	4	42,435	147,419	267,250
Clocks	4	625,000	771	304	217	382,920	508,650	1,037,350
Clothing, men's	1,583	30,517,107	36,635	25,822	651	18,324,466	52,712,947	81,133,611
Clothing, women's	277	5,141,290	1,649	11,892	64	4,196,913	12,577,958	20,314,307
Coffee and spices, roasted and ground.	58	2,065,725	544	74	22	380,259	6,073,482	7,652,672
Coffins, burial cases, and undertakers' goods.	115	1,360,085	679	166	10	399,309	953,199	1,942,577
Collars and cuffs, paper	3	170,000	52	123	.....	38,050	242,458	408,832
Confectionery	392	2,279,658	1,566	829	176	835,204	4,304,823	6,686,389
Cooperage	740	2,752,727	4,479	35	360	1,676,719	3,913,531	6,765,719
Coppersmithing	40	471,202	412	.....	1	279,392	645,268	1,021,372
Cordage and twine	37	3,032,100	939	1,017	505	632,748	4,110,112	5,207,135
Cork cutting	20	176,400	97	64	20	56,430	186,109	323,001
Corsets	27	211,100	118	1,235	116	228,551	443,561	791,639
Cotton goods	57	12,644,138	3,259	4,564	2,167	2,218,121	5,627,299	9,723,527
Cutlery and edge tools	87	1,590,742	1,443	38	100	614,403	799,137	1,680,960
Drugs and chemicals	112	6,779,899	1,652	392	46	993,556	6,978,755	9,991,259
Dyeing and finishing textiles.	29	2,343,000	1,359	300	270	842,387	1,075,559	2,776,154
Dyestuffs and extracts	10	933,200	303	10	6	164,315	1,399,176	1,831,762
Electroplating	78	228,600	511	52	52	264,169	185,927	696,932
Engraving and die-sinking	103	152,180	263	5	48	151,808	99,136	476,386
Engraving, steel	26	535,700	460	189	60	1,158,960	385,514	1,808,850
Engraving, wood	76	33,228	164	4	6	132,817	17,834	283,747
Fancy articles	66	695,100	736	374	99	436,041	452,384	1,264,944

TABLE LII.—*Manufactures:* 1880—B.—NEW YORK—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Felt goods	4	157, 500	137	46	12	35, 289	155, 893	257, 450
Fertilizers	75	2, 328, 400	900	5	5	287, 859	2, 242, 511	3, 150, 312
Files	37	234, 400	397	6	34	163, 553	103, 377	412, 554
Fire-arms	5	788, 000	489	.....	24	391, 500	84, 000	823, 500
Flouring- and grist-mill products.	1, 768	19, 545, 994	4, 284	10	10	1, 587, 899	43, 226, 194	49, 331, 984
Food preparations	31	452, 250	209	43	21	117, 616	629, 513	899, 722
Foundery and machine-shop products.	883	34, 046, 914	30, 186	34	1, 041	14, 828, 342	20, 214, 369	44, 714, 915
Fruits and vegetables, canned and preserved.	88	1, 102, 421	1, 271	1, 510	573	346, 050	1, 619, 484	2, 379, 816
Furnishing goods, men's	73	2, 349, 900	780	7, 045	221	1, 790, 514	3, 770, 374	7, 147, 443
Furniture	849	8, 220, 978	9, 367	254	454	4, 997, 041	6, 749, 672	15, 210, 879
Furniture, chairs	62	991, 935	1, 195	368	546	472, 974	614, 690	1, 404, 138
Furs, dressed	95	2, 622, 890	1, 133	1, 882	50	1, 052, 242	3, 715, 761	5, 649, 122
Galvanizing	8	273, 000	229	.....	12	122, 620	351, 800	850, 770
Gas and lamp fixtures	18	2, 231, 000	1, 500	40	127	867, 878	1, 027, 565	2, 728, 628
Glass	32	1, 933, 600	2, 116	50	912	1, 046, 812	944, 691	2, 420, 796
Glass, cut, stained, and ornamented.	109	596, 130	842	86	133	451, 194	868, 452	1, 801, 962
Gloves and mittens	199	2, 690, 048	1, 569	3, 623	121	1, 245, 013	3, 404, 937	5, 718, 529
Glucose	3	1, 750, 000	775	5	17	485, 000	2, 000, 000	3, 075, 000
Glue	9	867, 000	297	9	20	129, 139	624, 123	884, 280
Gold and silver leaf and foil.	29	160, 700	254	110	11	189, 282	386, 824	655, 358
Gold and silver, reduced and refined.	10	193, 600	85	.....	.....	56, 452	3, 030, 919	3, 120, 452
Grease and tallow	23	564, 004	323	3	6	178, 898	6, 623, 526	7, 322, 970
Gunpowder	6	299, 660	122	10	.....	73, 500	327, 319	567, 843
Hair work	88	228, 300	95	366	12	150, 622	313, 273	679, 629
Hardware	141	1, 842, 226	2, 062	55	315	1, 038, 028	1, 514, 042	3, 396, 633
Hardware, saddlery	9	351, 000	687	44	98	230, 080	381, 028	720, 128
Hat and cap materials	39	392, 228	414	275	15	278, 451	663, 682	1, 179, 609
Hats and caps	168	1, 682, 140	2, 408	1, 917	201	1, 877, 123	3, 335, 778	6, 464, 058
Hosiery and knit goods	75	5, 334, 876	2, 389	4, 470	999	2, 036, 076	5, 072, 058	9, 899, 540
Ink	12	388, 800	77	22	11	51, 342	348, 000	505, 010
Instruments, professional and scientific.	67	571, 350	465	16	23	266, 113	188, 186	716, 922
Iron and steel	89	21, 543, 221	10, 697	.....	747	4, 099, 451	13, 395, 229	22, 219, 219
Iron bolts, nuts, washers, and rivets.	26	432, 619	416	15	49	185, 694	572, 326	929, 111
Iron forgings	12	852, 500	703	.....	28	273, 770	809, 912	1, 314, 274
Iron nails and spikes, cut and wrought.	3	250, 000	204	22	29	94, 795	183, 000	356, 000
Iron pipe, wrought	9	379, 500	236	.....	30	105, 997	640, 699	924, 745
Iron railing, wrought	49	200, 697	281	.....	6	182, 770	214, 913	529, 067
Iron work, architectural and ornamental.	9	106, 000	104	.....	1	48, 653	184, 647	293, 131
Ivory and bone work	18	182, 414	232	59	28	116, 389	217, 845	401, 674
Jewelry	260	2, 663, 938	2, 052	220	118	1, 417, 710	2, 765, 347	5, 340, 806
Jute and jute goods	3	390, 000	197	282	.....	132, 621	415, 788	650, 560
Lamps and reflectors	25	487, 000	447	3	24	254, 163	362, 885	857, 467
Lapidary work	26	99, 250	90	11	16	80, 226	128, 682	313, 230
Lard, refined	11	786, 360	492	.....	10	254, 883	14, 317, 826	14, 758, 718
Lead, bar, pipe, sheet, and shot.	10	901, 575	113	3	3	60, 558	1, 250, 492	1, 701, 717
Leather, dressed skins	71	1, 831, 040	1, 071	23	41	450, 130	2, 061, 438	3, 095, 302
Leather, curried	185	1, 720, 356	884	.....	16	366, 426	5, 210, 852	6, 192, 002
Leather goods	46	483, 100	783	129	37	426, 280	952, 073	1, 764, 778
Leather, tanned	386	11, 710, 415	4, 991	34	65	1, 819, 742	18, 014, 683	23, 652, 366
Lime	66	664, 832	669	.....	61	146, 352	276, 743	560, 953
Liquors, distilled	19	453, 025	155	.....	.....	70, 820	673, 472	1, 012, 550
Liquors, malt	325	27, 580, 502	8, 064	8	21	3, 912, 798	19, 823, 853	35, 392, 677
Liquors, vinous	12	459, 000	93	.....	.....	33, 650	254, 056	375, 150
Lithographing	58	1, 628, 550	1, 193	61	144	828, 615	842, 379	2, 270, 854
Looking-glass and picture frames.	146	1, 026, 481	1, 354	18	142	670, 780	1, 550, 915	2, 828, 757
Lumber, planed	222	4, 556, 865	3, 113	.....	185	1, 356, 491	5, 271, 184	8, 073, 766
Lumber, sawed	2, 822	13, 230, 934	11, 056	.....	389	2, 162, 972	9, 119, 263	14, 356, 910
Malt	111	8, 196, 810	1, 252	.....	.....	513, 229	7, 781, 359	9, 874, 098
Marble and stone work	560	4, 892, 056	5, 759	10	108	3, 496, 242	4, 055, 445	10, 189, 267

TABLE LII.—*Manufactures:* 1880—B.—NEW YORK—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Matches	8	321,950	104	234	52	84,860	270,632	551,270
Mats and matting	7	193,650	183	12	70	116,029	203,427	385,340
Mattresses and spring beds	65	449,198	366	88	19	205,252	873,987	1,426,602
Millinery and lace goods	110	1,460,680	722	2,827	138	1,068,173	3,685,280	5,797,531
Mineral and soda waters	99	864,948	664	2	57	351,014	590,273	1,368,542
Mixed textiles	134	7,902,150	3,369	5,722	1,326	3,049,305	6,935,558	13,376,380
Models and patterns	54	131,121	202	1	3	119,125	47,196	272,665
Musical instruments, organs and materials.	52	460,350	433	8	20	234,648	205,661	604,891
Musical instruments, pianos and materials.	82	6,627,845	3,892	24	50	3,213,481	3,579,131	8,084,154
Oil, lard	3	170,000	100	.....	2	37,415	920,600	1,026,800
Oil, linseed	9	1,406,000	359	6	6	196,277	4,961,782	5,679,607
Oil, lubricating	12	231,800	92	.....	1	60,485	386,571	534,595
Oilcloth, enameled	2	125,000	85	2	11	45,000	261,000	340,000
Oilcloth, floor	8	1,125,000	560	.....	16	222,689	906,853	1,426,848
Oleomargarine	5	645,500	270	.....	.....	126,636	4,418,695	5,338,753
Paints	73	4,842,600	1,540	103	40	831,863	6,994,561	9,455,900
Paperhangings	16	2,462,000	1,240	136	521	654,853	2,970,282	5,095,955
Paper, not specified	168	6,859,565	2,929	751	134	1,217,580	5,579,525	8,524,279
Paper patterns	4	105,100	13	84	.....	40,538	44,000	512,550
Patent medicines and compounds.	108	3,512,430	584	339	180	485,558	1,932,936	4,339,178
Pens, gold	12	314,050	169	14	19	145,907	174,356	461,761
Perfumery and cosmetics	22	462,450	171	216	5	121,484	724,100	1,280,200
Pickles, preserves, and sauces.	40	387,050	178	71	37	64,597	351,080	676,916
Pipes, tobacco	16	101,400	177	23	20	97,208	110,718	297,188
Plated and britannia ware	2	290,000	115	53	.....	55,000	120,000	290,000
Pocket-books	35	283,950	491	77	54	285,577	532,983	1,033,834
Printing and publishing	712	20,027,989	11,651	1,678	1,088	8,059,487	9,518,171	27,885,376
Pumps	72	250,550	206	.....	2	88,313	158,558	365,153
Refrigerators	28	346,528	473	14	36	215,528	396,463	801,172
Roofing and roofing materials	147	411,991	852	.....	22	459,098	783,101	1,695,672
Rubber and elastic goods	24	1,589,037	972	469	89	697,340	1,769,673	2,914,119
Saddlery and harness	1,123	1,725,782	2,192	62	65	905,371	1,734,498	3,792,955
Safes, doors, and vaults, fire-proof.	9	561,400	450	.....	20	233,276	399,210	807,516
Salt	69	2,286,081	962	11	39	274,087	507,020	1,107,760
Salt, ground	4	229,200	130	38	.....	31,897	218,943	266,906
Sash, doors, and blinds	244	2,639,775	2,890	.....	133	1,170,394	2,628,837	4,879,894
Saws	18	435,800	382	10	26	157,250	319,059	606,851
Scales and balances	19	369,800	320	.....	8	155,735	165,957	456,147
Sewing-machines and attachments.	26	919,725	944	56	43	483,039	386,111	1,168,758
Shipbuilding	457	3,944,100	4,661	.....	.....	2,907,129	4,055,637	7,985,044
Shirts	195	3,732,694	1,133	12,453	205	2,730,571	6,410,261	11,014,820
Shoddy	7	32,700	43	32	3	33,610	321,220	407,590
Silk and silk goods	151	4,696,775	2,405	5,459	1,769	2,590,025	5,331,804	10,170,140
Silverware	23	1,186,600	713	31	101	574,314	775,154	1,663,286
Slaughtering and meat-packing.	128	4,543,625	1,688	.....	22	1,020,790	40,149,850	43,096,138
Soap and candles	97	4,462,775	937	131	129	494,903	4,889,625	6,574,939
Soda-water apparatus	2	165,000	72	12	1	68,900	215,400	466,263
Spectacles and eyeglasses	30	264,750	362	30	56	191,918	152,769	500,583
Sporting goods	36	733,750	259	298	49	201,102	263,619	682,043
Springs, steel, car, and carriage.	9	360,000	178	.....	5	64,821	424,958	548,890
Stamped ware	16	1,070,340	1,068	141	128	489,259	1,147,721	1,945,009
Starch	60	2,260,750	1,270	174	25	480,574	2,045,148	3,328,102
Stationery goods	85	2,208,725	1,160	915	120	839,931	2,596,013	4,281,877
Steam fittings and heating apparatus.	23	832,000	549	.....	6	336,393	951,871	1,488,678
Stone- and earthen-ware	53	703,500	649	142	36	319,336	241,385	788,694
Straw goods	4	183,000	49	290	23	72,734	145,858	264,692
Sugar and molasses, refined	17	13,726,000	2,626	.....	13	1,218,212	67,273,614	71,237,051
Telegraph and telephone apparatus.	25	333,558	413	31	10	278,801	321,066	798,939

TABLE LII.—*Manufactures:* 1880—B.—NEW YORK—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Tinware, copperware, and sheet-iron ware.	1,190	4,756,079	4,707	280	309	2,151,397	5,217,864	9,858,768
Tinfoil	2	580,000	75	50	13	90,694	167,867	360,349
Tobacco, chewing, smoking, and snuff.	45	3,236,830	1,343	1,519	232	1,103,435	5,337,075	8,907,737
Tobacco, cigars, and cigarettes.	1,683	8,274,917	13,098	5,039	995	7,671,831	11,942,043	24,767,504
Tools	5	270,650	256	.....	15	114,870	99,520	320,200
Toys and games	31	418,225	388	405	125	207,247	259,552	641,359
Trunks and valises	51	433,950	458	52	39	255,730	598,830	1,080,910
Type founding	22	798,500	426	111	56	336,056	232,950	822,257
Umbrellas and canes	75	1,021,450	551	796	19	528,505	2,450,455	3,509,367
Upholstering	226	1,380,072	876	392	88	542,931	2,025,055	3,240,138
Varnish	17	1,395,800	137	.....	6	91,638	1,028,705	1,867,155
Vinegar	107	699,181	406	15	15	85,280	552,026	840,968
Watch cases	4	156,565	261	22	12	249,816	717,177	1,109,046
Whalebone and rattan	8	141,950	92	21	8	55,888	330,406	457,360
Whips	8	192,500	96	68	10	71,223	113,632	270,483
Window blinds and shades	28	611,800	348	25	20	201,933	760,772	1,279,625
Wire	4	325,000	383	.....	11	176,666	435,038	735,418
Wirework	73	968,303	912	76	248	553,441	924,923	1,958,398
Wood, turned and carved	182	982,170	1,323	29	95	671,906	1,000,380	2,163,511
Wooden ware	68	380,700	595	7	18	159,800	248,729	552,301
Wool hats	10	1,723,005	1,593	724	477	1,041,405	2,308,221	4,205,080
Woolen goods	159	8,266,878	3,311	2,128	691	1,774,143	6,212,835	9,874,973
Worsted goods	6	1,679,157	477	874	356	385,952	1,348,376	2,321,990
All other industries	12,913	23,210,551	37,511	1,571	1,148	18,337,158	29,039,931	64,355,479

A.—NORTH CAROLINA, BY TOTALS OF COUNTIES.

The State	3,802	13,045,639	12,818	2,939	2,352	2,740,768	13,090,937	20,095,037
COUNTIES.								
Alamance	58	724,766	197	384	112	93,622	422,489	709,196
Alexander	32	69,072	29	15	5	5,371	62,139	81,715
Alleghany	6	7,000	7	.....	.....	750	8,930	11,243
Anson	51	82,160	131	.....	6	17,750	126,095	169,353
Ashe	57	49,810	65	2	.....	9,801	82,576	109,231
Beaufort	28	99,550	146	.....	2	22,697	63,862	110,811
Bertie	28	54,565	91	.....	.....	10,609	60,085	91,830
Bladen	27	74,445	109	.....	1	21,285	85,435	159,280
Brunswick	21	36,500	51	.....	.....	12,160	23,590	74,420
Buncombe	58	156,035	119	14	12	24,615	127,897	198,886
Burke	35	61,485	80	.....	33	14,232	84,214	112,376
Cabarrus	74	155,579	186	52	40	44,009	213,561	313,624
Caldwell	49	98,025	94	31	7	16,072	89,055	1:6,190
Camden	4	15,000	.....	.....	.....	.....	25,380	27,965
Carteret	29	24,550	28	.....	4	2,340	25,570	31,146
Caswell	41	96,675	84	10	9	16,588	125,186	170,419
Catawba	77	168,865	193	61	64	34,510	193,251	282,604
Chatham	93	576,885	147	18	15	22,853	227,993	286,709
Cherokee	21	29,420	46	.....	.....	4,705	23,722	37,971
Chowan	8	22,300	21	.....	5	3,950	13,611	22,206
Clay	4	4,500	4	.....	.....	625	15,297	16,732
Cleaveland	52	133,200	127	45	23	25,700	172,575	262,128
Columbus	29	48,815	194	5	.....	27,950	103,467	225,210
Craven	40	186,000	225	16	46	66,864	200,110	322,519
Cumberland	81	460,750	494	170	90	120,348	353,701	612,461
Currituck (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Dare	1	500	5	.....	.....	2,500	3,000	6,000
Davidson	92	161,230	204	23	18	42,937	336,878	452,668
Davie	60	80,552	98	24	22	14,937	108,188	150,965
Duplin	48	70,150	101	1	.....	11,868	99,003	149,618

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—NORTH CAROLINA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Edgecombe	41	162,525	162	.....	16	26,296	99,166	162,050
Forsyth	96	708,850	650	396	388	199,509	734,840	1,104,749
Franklin	46	111,825	113	9	17	18,895	90,689	134,112
Gaston	87	635,965	192	146	115	72,245	579,014	844,308
Gates	3	3,800	9	.....	.....	732	18,092	19,850
Graham (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Granville	97	147,800	241	21	31	35,240	246,761	354,172
Greene	20	43,450	80	.....	1	8,595	35,716	61,900
Guilford	98	438,800	296	45	33	72,305	350,383	498,526
Halifax	22	58,725	83	.....	4	12,270	71,660	99,020
Harnett	23	42,950	38	.....	4	4,765	32,075	52,202
Haywood	20	30,160	24	.....	.....	3,540	43,759	52,868
Henderson	30	18,925	42	1	.....	4,689	29,685	48,074
Hertford	12	39,400	88	.....	.....	14,432	63,353	97,550
Hyde	6	12,300	22	.....	.....	3,490	10,940	19,020
Iredell	78	157,920	103	26	8	17,698	200,004	256,429
Jackson	11	14,900	19	.....	.....	1,918	25,597	31,677
Johnston	48	109,550	129	.....	3	20,044	105,011	156,264
Jones	9	12,200	17	.....	.....	768	26,535	31,040
Lenoir	15	57,120	70	.....	3	12,518	82,597	117,445
Lincoln	61	286,355	134	46	12	36,783	240,589	339,726
McDowell	22	41,300	50	3	1	8,208	40,204	58,036
Macon	11	15,240	11	.....	.....	1,675	26,458	32,990
Madison	7	17,500	13	.....	.....	1,602	19,045	24,392
Martin	14	53,100	61	.....	6	8,921	107,387	137,113
Mecklenburg	75	218,925	267	10	19	66,608	202,791	349,846
Mitchell	21	169,200	56	1	.....	6,393	43,785	67,850
Montgomery	51	95,025	102	.....	3	11,323	95,295	129,724
Moore	123	225,110	669	3	.....	115,459	278,463	522,362
Nash	31	263,875	125	45	44	25,933	119,950	178,038
New Hanover	60	987,975	782	88	75	277,400	1,087,419	1,799,602
Northampton	28	55,050	66	.....	1	7,552	55,566	76,870
Onslow	23	17,075	62	.....	2	4,990	33,660	45,089
Orange	96	823,000	635	219	277	129,560	725,972	1,236,984
Pamlico	11	16,775	38	.....	.....	5,379	21,300	32,701
Pasquotank	16	67,600	88	.....	1	23,795	75,920	124,310
Pender	6	6,750	13	.....	.....	1,200	18,265	24,200
Perquimans	18	43,850	42	.....	6	10,492	36,192	56,361
Person	42	138,400	120	19	63	16,367	116,821	160,895
Pitt	28	52,400	84	.....	2	9,844	61,831	85,781
Polk	4	5,800	16	.....	.....	1,471	9,025	12,950
Randolph	98	487,665	301	376	151	111,009	617,053	894,462
Richmond	31	208,000	138	61	31	36,594	143,707	232,854
Robeson	118	175,175	690	119	62	90,748	280,965	526,941
Rockingham	67	404,905	368	188	187	81,099	325,103	503,596
Rowan	71	148,165	177	42	38	32,077	214,384	293,949
Rutherford	35	56,850	69	.....	.....	13,204	70,729	95,093
Sampson	48	85,925	132	.....	.....	21,178	176,577	238,515
Stanley	25	60,200	47	.....	3	4,080	84,741	95,620
Stokes	69	95,102	126	50	52	16,506	165,875	213,804
Surry	65	218,050	144	118	76	33,084	183,419	262,705
Swain (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Transylvania	10	10,000	10	.....	.....	2,170	22,469	28,539
Tyrrell	5	13,130	15	.....	.....	751	3,742	5,617
Union	45	57,680	127	.....	10	18,182	101,674	143,045
Wake	137	364,198	763	36	62	174,894	352,960	712,735
Warren	37	97,400	84	.....	.....	10,026	135,825	162,566
Washington	10	23,600	33	.....	.....	5,499	41,093	56,906
Watauga	25	23,550	21	.....	.....	2,807	28,545	38,346
Wayne	61	177,010	280	.....	12	60,456	201,168	335,323

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—NORTH CAROLINA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Wilkes	32	35,500	29	.....	.....	3,462	48,922	58,926
Wilson	30	77,100	119	.....	7	22,450	70,429	120,039
Yadkin	50	51,640	39	.....	11	5,674	55,727	77,262
Yancey	19	18,940	18	.....	1	2,176	27,155	35,642

B.—NORTH CAROLINA, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	3,802	13,045,639	12,818	2,939	2,352	2,740,768	13,090,937	20,095,037
Carriages and wagons	47	202,650	376	.....	4	107,731	139,300	334,900
Cotton goods	49	2,855,800	764	1,727	741	439,659	1,463,645	2,554,482
Fertilizers	1	350,000	100	.....	25	40,000	150,000	300,000
Flouring- and grist-mill products.	1,313	3,218,053	1,844	.....	.....	237,777	5,722,603	6,462,806
Leather, tanned	133	183,659	219	.....	1	37,846	222,068	367,920
Liquors, distilled	174	176,049	110	.....	.....	20,045	167,223	255,838
Lumber, sawed	776	1,743,217	2,938	.....	91	447,431	1,577,139	2,672,796
Tar and turpentine	184	473,915	1,610	130	58	255,849	916,228	1,758,488
Tobacco, chewing, smoking, and snuff.	118	1,512,900	1,544	949	1,090	362,859	1,252,830	2,215,154
Woolen goods	49	203,100	120	50	15	23,195	255,707	303,160
All other industries	958	2,126,296	3,193	83	327	768,376	1,224,194	2,869,493

A.—OHIO, BY TOTALS OF COUNTIES.

The State	20,699	188,939,614	152,217	18,563	12,829	62,103,800	215,334,258	348,298,390
COUNTIES.								
Adams	104	178,675	199	.....	13	44,035	236,695	366,500
Allen	194	929,675	1,046	43	37	318,887	809,197	1,523,007
Ashland	146	467,340	359	7	4	112,696	917,862	1,218,849
Ashtabula	363	1,174,305	1,167	66	41	293,097	1,463,573	2,276,335
Athens	92	544,292	477	2	3	197,797	408,358	715,334
Auglaize	228	797,351	654	30	19	213,517	920,586	1,479,393
Belmont	238	2,356,125	2,017	106	417	1,061,006	2,658,936	4,661,649
Brown	193	531,170	541	10	27	131,115	665,993	994,341
Butler	368	4,785,225	2,281	574	276	1,050,267	4,705,100	7,157,877
Carroll	47	118,075	69	.....	1	15,258	182,682	233,961
Champaign	148	630,635	763	14	12	219,480	833,727	1,369,747
Clarke	218	7,348,153	3,847	50	200	1,654,300	4,682,692	8,647,269
Clermont	179	405,530	494	68	25	138,374	528,577	876,947
Clinton	147	263,781	317	3	16	69,016	385,057	588,603
Columbiana	401	3,219,397	3,321	236	339	1,343,291	3,042,005	5,459,490
Coshocton	216	444,975	414	15	2	115,827	663,406	968,563
Crawford	150	700,611	539	64	8	190,207	785,299	1,265,114
Cuyahoga	1,270	20,699,299	18,880	2,366	1,450	8,826,542	33,076,644	50,910,564
Darke	173	354,835	584	2	35	147,709	660,950	1,055,526
Defiance	144	1,025,300	966	17	66	324,109	797,780	1,444,343
Delaware	163	593,600	506	59	35	166,810	667,336	1,034,229
Erie	144	2,312,050	1,757	11	101	610,928	1,545,649	2,757,086
Fairfield	150	671,860	629	96	12	210,125	782,953	1,242,845
Fayette	74	124,625	229	5	13	51,071	200,469	329,212
Franklin	433	5,874,115	5,547	301	289	2,103,333	6,164,482	10,609,644
Fulton	151	340,860	397	14	10	98,404	502,043	752,365
Gallia	101	544,364	378	1	37	99,234	730,370	1,022,054
Geauga	141	298,900	266	23	2	61,758	458,326	662,547
Greene	197	946,910	628	46	19	202,133	1,638,971	2,187,809
Guernsey	85	224,360	216	4	3	48,849	362,551	503,366

TABLE LII.—*Manufactures:* 1880—A.—OHIO—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Hamilton	3,494	52,689,910	40,204	10,586	5,263	20,017,718	64,330,300	108,338,757
Hancock	163	554,445	523	21	48	153,757	586,153	1,088,706
Hardin	140	683,885	540	19	41	164,464	620,810	995,462
Harrison	130	225,850	242	13	10	71,166	534,125	730,968
Henry	113	441,195	420	14	66	104,949	503,101	811,892
Highland	143	404,392	370	7	13	91,335	688,743	955,678
Hocking	54	2,040,415	1,095	2	12	182,351	506,561	768,798
Holmes	130	287,255	221	7	3	53,556	432,920	585,938
Huron	169	634,558	630	16	50	219,893	1,456,071	1,955,714
Jackson	65	1,982,975	1,631	6	91	573,534	836,350	1,244,877
Jefferson	229	2,079,016	1,574	105	161	702,134	2,013,213	2,945,230
Knox	175	861,150	803	28	18	252,873	795,747	1,423,259
Lake	94	379,150	408	6	13	113,501	436,619	722,301
Lawrence	81	4,236,050	3,511	1	250	1,113,617	1,728,122	2,871,246
Licking	205	480,599	557	29	17	157,288	483,185	878,753
Logan	163	441,510	397	42	21	139,193	861,334	1,222,415
Lorain	224	908,425	915	43	68	279,159	1,141,494	1,881,837
Lucas	510	6,045,280	5,339	1,045	695	2,343,987	6,924,629	11,402,919
Madison	87	111,553	171	7	2	42,120	128,098	227,399
Mahoning	320	4,871,691	3,779	33	145	1,702,668	7,310,399	9,847,238
Marion	113	381,060	365	1	11	110,191	459,794	716,440
Medina	191	485,000	511	46	23	123,480	586,579	891,533
Meigs	149	1,122,010	967	20	33	213,624	724,041	1,186,861
Mercer	90	213,237	318	3	24	51,806	280,207	430,296
Miami	190	1,363,666	1,068	65	42	372,717	1,877,043	2,839,868
Monroe	162	316,125	236	4	7	36,813	367,485	496,600
Montgomery	656	6,902,989	5,674	536	482	2,480,374	7,229,531	13,226,760
Morgan	101	339,943	335	41	36	104,711	555,910	798,303
Morrow	133	248,610	305	16	6	75,391	351,023	553,656
Muskingum	377	2,943,057	2,615	238	182	1,006,543	3,594,359	5,560,465
Noble	105	149,185	141	.....	11	20,921	281,357	371,884
Ottawa	78	783,640	479	10	73	135,778	721,824	1,109,115
Paulding	51	317,200	339	.....	25	67,735	231,890	341,061
Perry	120	1,095,620	909	2	28	270,185	730,006	1,085,227
Pickaway	148	594,475	519	27	26	132,356	702,499	1,023,511
Pike	46	634,264	130	3	6	25,646	188,940	294,492
Portage	225	808,175	821	50	53	277,977	949,086	1,537,489
Preble	185	357,855	427	36	21	100,107	589,812	880,019
Putnam	110	350,050	413	4	35	86,251	404,993	620,882
Richland	297	2,794,321	1,414	69	62	529,978	2,286,071	3,850,656
Ross	196	810,529	644	16	11	222,075	923,733	1,491,728
Sandusky	189	1,068,985	1,179	44	62	408,529	1,676,094	2,583,316
Scioto	230	2,408,005	2,314	460	157	817,772	1,897,319	2,961,973
Seneca	240	1,066,857	1,045	51	16	298,003	1,020,618	1,720,094
Shelby	104	497,504	588	.....	35	137,167	675,178	1,029,079
Stark	462	5,621,960	3,590	72	56	1,311,035	4,265,733	7,986,627
Summit	365	6,317,621	3,508	139	258	1,622,609	6,541,515	10,484,576
Trumbull	299	2,294,760	2,298	43	151	844,793	3,245,892	4,822,084
Tuscarawas	302	1,545,984	984	39	27	244,953	1,824,290	2,461,791
Union	82	220,160	291	7	9	56,673	261,787	397,517
Van Wert	92	599,463	690	6	52	179,911	639,298	1,054,417
Vinton	51	793,660	100	1	3	20,692	186,029	240,105
Warren	160	684,744	571	92	60	132,738	601,201	971,381
Washington	181	811,573	869	108	72	250,025	1,121,608	1,678,583
Wayne	254	1,002,170	856	17	31	274,644	1,491,907	2,232,883
Williams	173	583,635	556	7	6	136,149	626,831	961,067
Wood	282	693,375	785	15	126	185,683	868,315	1,337,406
Wyandot	163	452,450	545	12	12	139,327	558,217	854,689

TABLE LII.—*Manufactures:* 1880—OHIO—Continued.

B.—OHIO, BY SELECTED INDUSTRIES.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
All industries	20,699	188,939,614	152,217	18,563	12,829	62,103,800	215,334,258	348,298,390
Agricultural implements	156	16,111,576	7,281	13	242	2,981,065	7,243,326	15,479,825
Bags, paper	8	157,000	67	167	28	60,445	573,872	739,808
Bookbinding and blank-book making.	51	361,510	314	267	46	238,305	333,107	851,206
Boots and shoes	51	1,154,200	2,255	671	278	1,089,116	2,498,178	4,167,476
Boxes, wooden, packing	35	138,758	257	24	23	76,434	129,785	265,262
Brass castings	28	289,777	356	.....	35	164,919	430,162	806,736
Bread and other bakery products.	497	1,060,131	1,225	155	121	526,678	2,440,001	3,805,506
Brick and tile	825	2,723,528	5,527	17	583	1,114,133	1,185,794	3,481,291
Bridges	10	700,500	955	.....	14	364,233	859,748	1,660,563
Brooms and brushes	84	232,087	514	165	232	161,729	277,021	583,640
Carriages and wagons	325	4,234,481	6,387	92	601	2,610,268	5,416,656	10,043,404
Carriage and wagon materials.	63	2,239,265	1,997	4	72	730,565	1,039,737	2,652,823
Cars, railroad, street, and repairs.	10	1,264,000	1,512	.....	27	675,806	2,133,288	3,429,996
Cheese and butter	452	948,702	701	104	14	162,985	1,985,050	2,756,793
Clothing, men's	647	8,651,094	6,026	7,659	733	4,136,382	12,043,020	20,008,398
Clothing, women's	25	249,902	52	1,153	49	275,875	756,902	1,280,654
Coffee and spices, roasted and ground.	27	416,000	208	41	11	135,292	1,118,327	1,517,114
Coffins, burial cases, and undertakers' goods.	37	1,043,650	738	141	107	376,843	667,880	1,489,926
Coke	15	144,012	150	.....	3	51,977	233,831	334,546
Confectionery	64	377,875	339	118	40	156,449	882,802	1,248,288
Cooperage	412	1,371,100	2,768	2	341	969,610	1,852,967	3,486,032
Cotton goods	6	857,000	165	320	71	130,897	432,592	920,658
Cutlery and edge tools	28	916,900	538	8	23	246,487	321,759	790,000
Drugs and chemicals	46	839,500	366	6	10	119,219	618,145	1,082,420
Electric lights	1	200,000	150	.....	.....	80,000	100,000	300,000
Explosives and fireworks	4	160,350	71	28	23	42,100	463,341	608,368
Fertilizers	14	593,900	214	.....	1	67,530	325,120	531,540
Flouring- and grist-mill products.	1,380	12,328,847	3,874	.....	1	1,221,494	34,157,024	38,950,264
Foundery and machine-shop products.	419	12,770,649	11,857	9	378	5,105,596	8,407,972	18,242,325
Fruits and vegetables, canned and preserved.	20	302,880	283	631	174	102,935	651,662	885,105
Furniture	412	4,417,076	4,929	176	566	2,080,243	2,694,602	6,865,027
Furniture, chairs	37	497,026	782	219	155	321,918	274,472	821,702
Glass	20	1,194,850	1,170	81	437	644,520	459,333	1,549,320
Gunpowder	3	550,000	113	.....	.....	55,000	280,000	401,073
Handles, wooden	45	427,550	479	8	13	156,681	243,606	531,167
Hardware	39	1,357,109	1,105	11	93	407,894	744,963	1,592,827
Hardware, saddlery	3	178,000	338	12	30	93,120	275,000	440,000
Hosiery and knit goods	23	187,000	53	574	118	94,858	241,583	418,825
Iron bolts, nuts, washers, and rivets.	8	522,500	571	25	5	260,423	727,926	1,310,711
Iron forgings	4	310,000	263	.....	.....	106,500	363,000	590,000
Iron and steel	134	25,141,294	18,885	.....	1,186	8,265,070	23,997,915	34,918,360
Iron work, architectural and ornamental.	18	195,350	291	.....	1	102,087	305,115	549,567
Jewelry	23	168,250	225	25	49	149,836	158,735	470,500
Lamps and reflectors	7	309,500	257	27	30	100,247	261,400	432,000
Leather, curried	251	1,089,075	563	5	4	234,209	3,141,024	3,886,627
Leather, tanned	302	2,022,990	912	1	14	373,595	3,247,592	4,357,273
Lime	53	352,456	386	.....	19	121,251	171,633	431,328
Lithographing	13	423,100	422	36	44	255,663	407,617	856,744
Liquors, distilled	37	4,813,185	976	5	11	406,197	4,533,049	6,692,736
Liquors, malt	163	8,178,545	2,692	2	12	1,184,825	5,110,587	9,125,014
Liquors, vinous	21	747,500	133	23	9	54,990	583,700	773,110
Looking-glass and picture frames.	39	613,700	590	3	69	239,403	408,573	788,919
Lumber, planed	148	1,728,551	1,532	1	29	605,926	1,773,590	2,961,567
Lumber, sawed	2,352	7,944,412	8,769	.....	348	1,768,300	8,896,106	13,864,460

TABLE LII.—*Manufactures:* 1880—B.—OHIO—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Malt	29	1,402,931	247	7	2	125,287	1,391,584	1,756,551
Mantels, slate, marble, and marbleized.	6	241,000	210	.....	17	96,722	137,740	311,330
Marble and stone work	246	1,127,930	1,564	6	70	633,312	904,069	2,240,160
Matches	1	300,000	102	46	80	68,686	600,000	935,529
Millinery and lace goods	22	81,450	25	259	11	77,486	162,852	320,091
Oil, cottonseed and cake	1	150,000	45	.....	10	7,450	400,000	435,000
Oil, lard	9	472,500	166	.....	2	42,772	1,035,636	1,141,835
Oil, linseed	21	1,123,550	299	.....	.....	143,454	1,903,103	2,381,934
Oil, lubricating	16	786,925	164	.....	4	78,692	1,031,112	1,431,039
Oleomargarine	1	300,000	20	.....	.....	8,000	108,000	250,000
Paints	15	447,000	232	12	15	123,164	835,734	1,263,980
Paper, not specified	60	4,804,274	1,684	527	97	839,231	3,024,068	5,108,194
Patent medicines and compounds.	61	570,600	157	18	14	78,005	406,804	668,141
Printing and publishing	237	4,688,535	3,461	543	976	2,067,593	2,382,305	6,579,565
Pumps	66	313,875	300	.....	3	114,326	184,650	384,561
Regalia and society banners and emblems.	6	118,200	37	136	27	70,550	150,031	289,414
Roofing and roofing materials.	46	333,300	336	2	3	133,276	592,944	900,141
Rubber and elastic goods	4	107,600	59	18	2	30,867	233,232	305,494
Saddlery and harness	743	1,271,869	1,877	25	65	671,124	1,487,019	3,170,413
Safes, doors, and vaults, fire-proof.	5	964,000	1,125	.....	12	587,428	580,000	1,635,000
Salt	25	832,600	449	2	2	105,261	202,543	363,791
Sash, doors, and blinds	102	2,147,537	2,146	1	164	883,910	2,429,480	4,043,844
Saws	11	272,750	190	.....	14	75,118	129,573	281,807
Screws	2	550,000	140	.....	.....	72,124	202,441	307,170
Sewing-machines and attachments.	12	358,100	640	9	143	389,805	774,281	1,370,025
Sewing-machine cases	5	36,000	275	.....	22	108,600	126,000	255,600
Shipbuilding	54	423,050	773	.....	.....	414,360	985,960	1,552,210
Shirts	35	220,300	84	516	7	139,224	335,637	575,422
Shoddy	1	250,000	30	216	.....	40,000	575,000	700,000
Slaughtering and meat-packing.	93	5,487,682	1,950	.....	74	633,044	17,173,446	19,231,297
Soap and candles	27	422,650	229	39	16	78,245	852,483	1,028,778
Springs, steel, car, and carriage.	5	240,000	285	.....	.....	128,784	269,325	477,905
Starch	5	1,400,000	505	60	40	179,030	1,099,292	1,754,710
Stone- and earthen-ware	179	1,675,055	2,042	226	391	894,322	628,273	2,106,474
Tinware, copperware, and sheet-iron ware.	704	1,456,313	1,826	10	87	699,108	1,626,346	3,230,208
Tobacco, chewing, smoking, and snuff.	26	1,332,345	734	456	367	393,083	3,198,926	4,378,302
Tobacco, cigars, and cigarettes.	652	1,341,070	3,589	552	571	1,495,859	2,004,439	5,018,638
Tools	10	297,250	273	3	8	115,804	87,500	328,550
Trunks and valises	26	180,500	357	25	28	110,513	221,535	456,481
Upholstering	38	211,125	183	26	55	76,480	278,338	438,940
Varnish	12	635,000	90	.....	.....	54,770	779,247	1,042,835
Wire	3	527,471	1,298	.....	257	60,230	1,251,000	1,895,000
Wirework	22	235,725	295	3	62	83,035	339,380	561,600
Wooden ware	28	353,364	434	16	129	179,890	379,623	714,432
Wood, turned and carved	51	148,120	250	23	19	100,357	138,185	355,177
Woolen goods	122	1,316,340	722	413	189	256,214	1,084,323	1,678,189
All other industries	6,959	10,775,535	16,735	1,339	1,051	6,141,082	11,730,668	25,613,809

A.—OREGON, BY TOTALS OF COUNTIES.

The State	1,080	6,312,056	3,280	96	97	1,667,046	6,954,436	10,931,232
COUNTIES.								
Baker	26	83,150	33	.....	.....	15,450	67,917	119,883
Benton	52	174,100	69	.....	.....	25,983	124,340	209,462
Clackamas	59	787,475	482	20	11	156,927	816,625	1,251,691
Clatsop	28	131,900	73	.....	.....	38,780	166,151	266,987
Columbia	8	72,800	28	.....	.....	11,540	90,230	135,755

TABLE LII.—*Manufactures:* 1880—A.—OREGON—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Coos	30	211,000	77	1	1	30,696	183,997	277,766
Curry	.....	.....	.....	.....	.....	.....	.....	.....
Douglas	67	277,125	100	.....	.....	32,945	232,928	384,820
Grant	19	53,800	30	.....	.....	9,222	61,680	97,701
Jackson	37	219,800	91	8	1	53,280	181,877	296,721
Josephine	13	25,150	10	.....	.....	2,475	20,575	34,413
Lake	29	57,850	32	.....	.....	9,384	43,210	80,640
Lane	49	227,650	68	2	10	29,112	240,590	336,570
Linn	118	485,526	217	8	10	98,297	617,061	976,721
Marion	111	608,330	290	6	4	147,945	1,095,920	1,424,979
Multnomah	162	1,958,025	1,050	48	50	700,878	1,567,246	2,867,271
Polk	49	138,650	96	.....	2	30,295	193,470	288,231
Tillamook	3	15,900	4	.....	.....	1,790	5,100	10,300
Umatilla	26	180,500	60	.....	.....	32,841	281,253	374,465
Union	48	172,925	80	1	.....	31,654	151,574	251,973
Wasco	45	150,850	217	.....	2	154,314	404,227	657,396
Washington	30	104,900	84	2	5	25,073	162,445	223,845
Yam Hill	71	174,650	89	.....	1	28,165	246,020	363,642

B.—OREGON, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	1,080	6,312,056	3,280	96	97	1,667,046	6,954,436	10,931,232
Flouring- and grist-mill products.	106	1,286,200	307	.....	.....	139,882	2,978,714	3,475,531
Foundery and machine-shop products.	16	260,500	173	.....	8	139,022	121,911	352,300
Lumber, sawed	228	1,577,875	566	.....	13	242,154	1,331,342	2,030,463
Saddlery and harness	46	190,050	111	.....	2	63,767	222,350	385,350
Sash, doors, and blinds	20	230,400	94	.....	.....	71,031	143,980	253,692
Slaughtering and meat-packing.	9	56,800	37	.....	.....	17,120	205,517	264,712
Tinware, copperware, and sheet-iron ware.	46	233,150	94	.....	1	64,006	151,475	311,650
Woolen goods	10	566,800	166	33	17	86,088	227,486	549,030
All other industries	599	1,910,281	1,732	63	56	843,976	1,571,661	3,308,504

A.—PENNSYLVANIA, BY TOTALS OF COUNTIES.

The State	31,232	474,510,993	284,359	73,046	29,667	134,055,904	465,020,563	744,818,445
COUNTIES.								
Adams	276	486,770	394	44	19	59,329	621,937	876,130
Allegheny	1,895	70,641,426	42,815	2,361	3,995	22,371,951	61,739,293	105,272,739
Armstrong	200	1,918,656	975	60	76	436,951	1,348,564	2,328,557
Beaver	180	2,872,565	2,321	162	398	962,750	2,325,797	4,054,638
Bedford	254	1,369,993	587	3	20	155,868	1,213,992	1,747,617
Berks	1,044	12,522,140	8,307	890	811	3,077,919	13,026,331	20,143,164
Blair	254	3,017,563	2,068	28	96	677,371	2,752,243	4,233,552
Bradford	406	1,910,434	1,585	26	63	527,421	2,506,503	3,700,801
Bucks	591	3,039,014	2,334	926	349	904,915	4,033,627	6,208,209
Butler	262	744,580	521	24	11	148,794	695,930	1,080,290
Cambria	272	9,964,245	4,242	139	260	1,860,860	9,056,377	16,150,865
Cameron	24	594,500	191	.....	10	60,331	633,880	1,017,761
Carbon	89	980,865	665	2	25	188,502	861,758	1,400,870
Centre	345	3,165,470	1,655	9	106	563,569	2,337,684	3,591,327
Chester	737	6,411,853	4,141	389	331	1,749,350	6,674,978	10,404,331

TABLE LII.—*Manufactures:* 1880—A.—PENNSYLVANIA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Clarion	228	1, 168, 807	632	1	18	143, 616	628, 484	992, 582
Clearfield	261	2, 778, 227	1, 230	11	39	366, 147	1, 661, 850	2, 584, 339
Clinton	186	1, 405, 183	856	5	40	239, 897	1, 164, 089	1, 850, 788
Columbia	221	1, 219, 505	842	37	18	260, 024	1, 147, 040	1, 746, 084
Crawford	474	2, 852, 041	2, 222	26	71	742, 834	2, 797, 941	4, 373, 854
Cumberland	308	2, 266, 409	1, 658	189	45	535, 068	1, 727, 681	2, 850, 640
Dauphin	614	9, 817, 959	5, 777	294	260	2, 044, 189	10, 443, 042	15, 594, 115
Delaware	416	14, 256, 720	6, 569	2, 885	1, 788	3, 839, 838	11, 262, 964	19, 601, 493
Elk	92	2, 362, 310	1, 102	.....	.....	252, 384	1, 517, 559	2, 414, 791
Erie	559	6, 424, 413	4, 584	257	397	1, 869, 466	6, 646, 427	10, 463, 906
Fayette	274	4, 157, 207	2, 926	21	77	1, 221, 785	2, 857, 608	5, 004, 560
Forest	25	1, 162, 150	322	3	2	91, 672	416, 897	613, 631
Franklin	403	2, 003, 679	1, 489	48	46	391, 161	1, 872, 975	2, 825, 138
Fulton	68	239, 868	104	.....	.....	17, 170	223, 107	296, 887
Greene	127	428, 105	324	7	13	70, 855	433, 127	626, 272
Huntingdon	245	3, 267, 613	917	17	30	230, 245	1, 871, 761	2, 496, 918
Indiana	279	890, 409	655	16	53	169, 741	825, 474	1, 252, 325
Jefferson	189	1, 282, 650	557	4	19	113, 412	679, 684	1, 003, 145
Juniata	93	224, 170	153	1	3	25, 578	243, 023	325, 142
Lackawanna	352	5, 616, 017	3, 653	472	203	1, 558, 374	8, 105, 156	10, 684, 179
Lancaster	1, 437	10, 481, 798	6, 848	1, 334	658	2, 250, 226	9, 573, 262	14, 809, 330
Lawrence	167	2, 192, 765	1, 586	37	88	717, 914	2, 801, 664	4, 101, 758
Lebanon	275	2, 617, 950	1, 837	24	44	551, 010	2, 857, 277	4, 179, 082
Lehigh	473	12, 850, 472	4, 790	576	377	1, 690, 776	9, 352, 199	14, 097, 475
Luzerne	400	3, 706, 963	1, 963	239	79	687, 458	2, 733, 317	4, 397, 075
Lycoming	612	6, 968, 462	4, 116	149	251	1, 221, 510	5, 880, 083	9, 184, 295
McKean	241	1, 470, 575	1, 567	12	10	585, 241	1, 729, 466	2, 991, 407
Mercer	349	3, 796, 641	2, 854	30	200	1, 170, 945	5, 377, 565	7, 952, 874
Mifflin	169	1, 378, 080	886	16	36	298, 472	1, 527, 681	2, 298, 170
Monroe	131	1, 604, 625	707	57	61	252, 836	1, 662, 199	2, 331, 884
Montgomery	840	13, 789, 461	7, 459	3, 673	1, 107	3, 596, 208	13, 189, 707	20, 656, 993
Montour	113	2, 387, 902	1, 575	1	151	573, 196	2, 493, 840	3, 349, 376
Northampton	531	9, 955, 966	5, 264	318	302	1, 922, 027	9, 272, 417	13, 901, 276
Northumberland	226	2, 023, 575	1, 600	16	96	540, 791	2, 341, 762	3, 399, 197
Perry	204	1, 358, 835	850	7	35	274, 250	1, 571, 432	2, 205, 048
Philadelphia	8, 567	187, 148, 857	113, 075	56, 818	15, 634	64, 265, 966	199, 155, 477	324, 342, 935
Pike	46	311, 900	239	.....	7	75, 862	267, 884	454, 990
Potter	94	206, 107	343	4	.....	48, 016	320, 006	440, 022
Schuylkill	480	4, 854, 058	3, 028	251	123	1, 016, 641	4, 169, 130	6, 047, 336
Snyder	115	355, 068	187	1	10	38, 623	465, 280	629, 007
Somerset	348	839, 071	628	15	47	113, 483	719, 314	1, 089, 719
Sullivan	60	858, 420	342	.....	1	95, 010	744, 342	1, 004, 443
Susquehanna	332	2, 026, 983	1, 161	33	10	309, 163	2, 484, 482	3, 569, 796
Tioga	285	1, 818, 085	1, 308	11	14	321, 257	2, 294, 697	3, 165, 656
Union	130	678, 984	385	32	10	93, 117	519, 996	866, 437
Venango	186	782, 856	830	17	17	268, 795	841, 166	1, 421, 920
Warren	267	2, 785, 055	1, 829	27	43	510, 221	2, 894, 313	4, 197, 281
Washington	314	985, 364	699	13	16	257, 163	1, 227, 144	1, 810, 581
Wayne	282	2, 830, 037	1, 576	64	97	506, 864	2, 127, 343	3, 458, 441
Westmoreland	382	3, 714, 462	2, 277	60	166	885, 162	2, 810, 875	4, 978, 538
Wyoming	124	730, 725	362	1	4	94, 444	1, 278, 277	1, 794, 958
York	859	3, 537, 375	2, 821	453	281	893, 920	3, 922, 183	5, 879, 565

TABLE LII.—*Manufactures:* 1880—PENNSYLVANIA—Continued.

B.—PENNSYLVANIA, BY SELECTED INDUSTRIES.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
All industries	31,232	474,510,993	284,359	73,046	29,667	134,055,904	465,020,563	744,818,445
Agricultural implements	220	3,452,923	2,540	.....	77	898,608	1,788,420	3,686,212
Bags, other than paper	7	202,000	54	117	.....	43,215	482,820	560,500
Bags, paper	15	358,600	123	277	6	107,376	618,027	852,478
Belting and hose, leather	9	280,500	76	.....	6	42,465	367,571	476,545
Blacking	5	225,000	51	97	5	48,648	221,061	485,706
Bone-, ivory-, and lamp-black	5	428,350	79	2	16	30,700	214,075	286,750
Bookbinding and blank-book making.	74	890,775	867	829	148	585,786	727,166	1,703,206
Boot and shoe findings	20	121,950	94	107	6	62,088	140,072	253,668
Boots and shoes	145	3,627,840	5,085	2,442	318	2,820,976	5,425,844	9,590,002
Boxes, cigar	61	134,522	135	93	45	63,743	172,916	332,124
Boxes, fancy and paper	47	438,450	227	1,228	56	281,445	401,378	894,505
Boxes, wooden, packing	61	486,270	502	28	75	220,550	605,455	977,725
Brass castings	63	1,578,901	1,009	19	89	456,748	1,344,931	2,294,684
Brass and copper, rolled	2	600,000	94	.....	5	80,000	432,000	640,000
Bread and other bakery products.	1,265	3,919,053	2,923	384	197	1,315,677	5,263,591	8,448,474
Brick and tile	521	5,028,524	7,135	6	1,285	2,077,168	1,332,758	4,813,153
Bridges	7	720,400	859	.....	13	425,290	1,071,936	1,757,932
Bronze castings	5	126,250	50	.....	1	27,072	423,170	545,876
Brooms and brushes	122	626,215	725	88	252	292,556	678,753	1,293,881
Buttons	18	159,000	324	166	133	167,613	146,585	387,554
Cardboard	1	250,000	63	106	37	50,000	300,000	450,000
Carpets, other than rag	172	7,210,483	5,731	2,384	774	3,035,971	8,992,385	14,304,660
Carpets, rag	143	142,542	322	22	36	102,054	243,444	449,825
Carriage and wagon materials.	47	485,616	458	.....	12	159,453	325,916	634,777
Carriages and wagons	391	3,627,023	3,875	5	54	1,584,035	2,059,819	4,760,723
Cars, railroad, street, and repairs.	43	2,946,912	3,850	2	48	1,352,299	6,032,114	8,082,272
Cheese and butter	146	395,020	253	43	8	51,943	655,368	915,468
Clothing, horse	2	407,000	68	482	.....	133,800	443,200	680,000
Clothing, men's	876	10,816,742	8,791	13,328	91	5,127,682	15,332,253	23,821,887
Clothing, women's	75	941,950	351	2,878	99	618,603	1,776,610	2,977,810
Coffee and spices, roasted and ground.	32	885,000	171	121	5	118,383	2,240,980	2,652,830
Coffins, burial cases, and undertakers' goods.	105	681,425	547	38	5	229,036	425,267	903,074
Coke	104	4,262,525	2,379	3	62	983,431	2,241,154	4,190,136
Confectionery	283	1,718,690	1,036	531	204	512,141	2,358,774	3,564,934
Cooperage	249	1,385,335	1,845	2	174	671,464	2,126,784	3,256,552
Coppersmithing	11	148,950	95	2	1	51,654	148,849	255,423
Cordage and twine	23	1,289,250	395	240	247	274,282	1,437,026	2,039,721
Cork cutting	11	479,550	141	146	65	97,764	473,260	708,500
Cotton goods	189	15,490,735	5,990	8,232	3,341	4,683,617	12,500,217	21,640,397
Crucibles	7	440,250	92	.....	.....	57,560	434,271	577,189
Cutlery and edge tools	61	2,585,610	2,024	46	106	882,612	1,148,138	2,614,239
Dentists' materials	4	715,000	255	60	11	156,175	159,000	564,000
Drugs and chemicals	75	11,680,812	2,362	340	76	1,300,238	8,245,297	13,092,863
Dyeing and finishing textiles.	60	3,884,846	1,926	248	424	1,041,309	2,398,396	6,259,852
Dyestuffs and extracts	6	432,000	107	.....	.....	50,185	269,090	452,979
Fancy articles	19	154,700	129	39	14	76,305	130,012	255,406
Felt goods	1	150,000	167	75	20	80,000	250,000	450,000
Fertilizers	45	831,515	373	.....	3	137,955	981,987	1,433,245
Files	26	488,500	508	19	80	223,593	216,545	580,443
Flouring- and grist-mill products.	2,873	20,238,601	4,422	1	11	1,105,939	36,291,933	41,522,662
Food preparations	10	376,500	100	83	10	61,127	226,722	371,003
Foundery and machine-shop products.	748	28,982,140	22,907	79	898	10,293,821	17,636,353	35,029,673
Fruits and vegetables, canned and preserved.	14	267,925	91	171	39	67,202	469,326	606,000
Furnishing goods, men's	22	124,740	61	336	36	88,260	318,736	501,007

TABLE LII.—*Manufactures:* 1880—B.—PENNSYLVANIA—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Furniture	718	5,445,940	4,928	92	179	2,090,088	3,725,989	7,588,229
Furniture, chairs	45	111,700	273	14	47	143,037	186,071	437,010
Furs, dressed	16	238,000	50	153	5	59,233	292,800	496,700
Galvanizing	7	370,000	241	.....	5	112,132	720,295	976,875
Gas and lamp fixtures	5	251,500	283	43	11	133,759	93,085	355,228
Gas machines and meters	11	471,500	361	7	15	154,103	227,498	475,804
Glass	78	7,639,706	6,999	294	2,491	3,897,306	3,350,660	8,720,584
Glue	13	1,810,400	498	90	51	184,950	1,376,821	1,903,470
Gold and silver leaf and foil	8	237,000	157	157	10	135,300	344,150	525,344
Gold and silver, reduced and refined.	2	20,500	13	.....	4	9,130	200,800	251,560
Grease and tallow	27	322,075	110	.....	1	56,223	1,416,614	1,671,265
Gunpowder	11	858,900	157	8	3	73,871	420,834	693,854
Hardware	68	1,980,729	2,184	41	359	893,032	1,761,884	3,725,526
Hats and caps	70	820,553	1,255	561	52	711,159	1,082,079	2,342,324
High explosives	11	76,025	78	.....	.....	39,837	199,783	309,220
Hosiery and knit goods	106	3,743,790	2,337	5,570	1,365	2,175,913	4,924,138	8,935,147
Ink	12	398,800	81	8	11	62,608	169,375	362,550
Instruments, professional and scientific.	26	347,086	224	7	14	137,798	87,307	349,126
Iron and steel	366	107,304,782	54,637	12	3,303	25,095,850	92,267,030	145,576,268
Iron bolts, nuts, washers, and rivets.	17	1,444,500	1,306	60	278	521,625	1,571,456	2,636,366
Iron forgings	19	558,500	594	.....	38	264,743	667,125	1,110,166
Iron nails and spikes, cut and wrought.	9	192,450	83	14	7	37,849	206,410	291,927
Iron pipe, wrought	12	3,864,565	3,151	1	183	996,567	6,141,797	8,418,975
Ivory and bone work	11	209,750	253	29	64	112,888	152,599	358,019
Jewelry	33	485,256	394	24	32	220,902	437,416	846,736
Lard, refined	2	350,000	65	6	.....	29,631	1,135,000	1,221,000
Lead, bar, pipe, sheet, and shot.	4	665,000	89	.....	2	49,076	820,500	1,008,000
Leather, curried	455	2,570,969	827	4	15	334,950	6,639,432	7,852,177
Leather, dressed skins	56	2,589,347	2,071	103	89	1,158,898	4,896,982	6,745,044
Leather, tanned	642	15,608,635	5,541	12	39	1,967,946	19,716,236	27,042,068
Lightning-rods	3	255,000	58	.....	.....	25,475	358,500	481,000
Lime	120	471,610	579	.....	10	141,887	174,979	466,532
Liquors, distilled	70	2,198,753	334	.....	.....	138,745	1,216,120	1,856,484
Liquors, malt	291	12,073,068	2,439	.....	13	1,200,289	5,765,837	10,124,348
Lithographing	24	659,550	483	65	59	269,011	259,627	765,003
Looking-glass and picture frames.	74	799,793	696	19	75	330,660	610,641	1,276,471
Lumber, planed	200	3,250,225	2,142	6	61	758,281	2,749,840	4,602,753
Lumber, sawed	2,827	21,418,588	14,443	8	463	2,918,459	13,955,430	22,457,359
Malt	26	2,522,000	309	1	.....	108,892	1,794,761	2,333,348
Mantels, slate, marble, and marbleized.	15	145,800	171	.....	4	77,792	127,513	263,106
Marble and stone work	321	2,476,752	2,185	1	11	970,026	1,467,475	3,135,651
Matches	5	237,800	39	66	11	29,931	166,592	311,500
Mattresses and spring beds	27	123,850	119	46	15	51,263	252,990	362,599
Millinery and lace goods	40	593,300	85	1,139	54	205,942	1,063,779	1,518,578
Mineral and soda waters	33	192,800	206	.....	22	83,044	181,095	340,433
Mixed textiles	126	11,536,818	5,361	6,971	1,936	4,223,662	12,202,028	20,882,764
Oilcloth, floor	2	938,550	374	2	10	169,084	646,785	1,219,571
Oil, linseed	9	409,200	59	5	.....	29,846	596,500	697,205
Oil, lubricating	9	85,500	82	2	.....	41,593	508,411	642,370
Oleomargarine	1	100,000	45	16	3	26,000	192,946	298,386
Paints	46	3,128,192	791	26	7	394,437	2,657,857	3,674,043
Paperhangings	4	820,000	263	1	137	161,120	384,252	708,979
Paper, not specified	78	4,099,000	1,481	555	47	752,151	3,185,168	5,355,912
Patent medicines and compounds.	53	2,076,100	259	189	7	194,524	734,262	2,006,058
Pickles, preserves, and sauces.	7	84,248	55	15	1	25,173	167,096	268,812
Pocket-books	5	250,000	271	209	48	120,000	219,500	412,000
Printing and publishing	371	8,962,320	5,897	625	1,180	3,274,969	4,157,045	10,229,893
Roofing and roofing materials.	116	451,055	513	3	6	219,958	394,442	798,999
Saddlery and harness	781	1,301,402	1,542	54	35	540,772	1,265,482	2,505,856
Safes, doors, and vaults, fire-proof.	7	176,000	159	.....	1	93,850	106,015	259,505

TABLE LII.—*Manufactures:* 1880—B.—PENNSYLVANIA—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Sash, doors, and blinds	109	1, 989, 198	1, 601	1	45	627, 674	1, 480, 004	2, 513, 607
Saws	7	1, 518, 000	1, 115	6	134	620, 140	634, 897	1, 654, 200
Sewing machines and attachments.	7	1, 175, 800	440	8	51	226, 000	225, 190	625, 550
Shipbuilding	125	5, 797, 731	3, 298	.....	.....	2, 279, 629	3, 610, 367	6, 689, 470
Shirts	61	785, 094	242	2, 597	85	614, 924	1, 182, 154	2, 095, 761
Shoddy	11	186, 000	90	40	13	47, 441	510, 977	655, 895
Silk and silk goods	49	1, 379, 900	1, 000	1, 870	319	678, 120	1, 830, 985	3, 491, 840
Slaughtering and meat-packing.	35	2, 938, 625	531	.....	21	242, 077	8, 854, 778	9, 908, 545
Soap and candles	78	1, 873, 971	490	62	35	331, 677	1, 809, 904	2, 715, 771
Springs, steel, car, and carriage.	12	600, 100	361	.....	28	180, 613	768, 059	1, 138, 895
Stationery goods	26	203, 500	324	34	61	111, 310	338, 920	556, 473
Steam fittings and heating apparatus.	14	251, 300	259	.....	11	112, 980	255, 833	506, 962
Stone- and earthen-ware	97	670, 545	634	85	93	254, 082	202, 011	655, 169
Sugar and molasses, refined	11	6, 072, 000	1, 073	.....	5	474, 017	21, 943, 943	24, 294, 929
Tinware, copperware, and sheet-iron ware.	1, 010	3, 223, 836	3, 093	128	185	1, 325, 010	2, 735, 514	5, 442, 555
Tobacco, chewing, smoking, and snuff.	11	398, 676	136	122	16	71, 084	572, 456	910, 204
Tobacco, cigars, and cigarettes.	1, 377	2, 934, 819	5, 064	1, 329	564	1, 885, 530	3, 144, 977	6, 906, 603
Tools	22	1, 657, 182	752	.....	.....	339, 656	291, 452	883, 973
Toys and games	14	172, 100	270	102	175	107, 328	96, 425	306, 086
Trunks and valises	24	114, 900	148	.....	3	66, 835	175, 172	306, 742
Type founding	4	810, 000	279	2	25	146, 694	89, 400	417, 132
Umbrellas and canes	33	1, 379, 050	621	999	166	481, 347	1, 788, 464	2, 822, 244
Upholstering	107	266, 900	294	103	20	163, 366	397, 258	784, 020
Varnish	11	241, 800	69	.....	7	34, 865	201, 275	372, 310
Watch cases	11	553, 175	433	54	12	243, 722	534, 480	1, 013, 180
Wire	5	560, 500	106	13	.....	58, 108	269, 338	378, 658
Wirework	35	246, 650	302	1	55	119, 090	500, 241	763, 832
Wooden ware	22	358, 500	268	.....	65	126, 750	178, 448	387, 302
Wood pulp	2	510, 000	205	.....	.....	97, 000	206, 006	463, 195
Wood, turned and carved	55	324, 650	449	18	63	173, 524	199, 797	496, 100
Woolen goods	324	18, 780, 604	8, 391	6, 809	2, 489	5, 254, 328	21, 185, 804	32, 341, 291
Wool hats	23	797, 500	726	290	133	317, 987	1, 034, 652	1, 717, 826
Worsted goods	28	4, 959, 639	1, 673	2, 378	949	1, 473, 958	7, 277, 489	10, 072, 473
Zinc	2	1, 065, 000	184	.....	8	81, 020	238, 859	377, 280
All other industries	9, 373	18, 565, 106	23, 921	2, 716	1, 218	9, 743, 161	16, 321, 145	35, 789, 773

A.—RHODE ISLAND, BY TOTALS OF COUNTIES.

The State	2, 205	75, 575, 943	37, 060	18, 270	7, 548	21, 355, 619	58, 103, 443	104, 163, 621
COUNTIES.								
Bristol	90	2, 520, 950	1, 574	857	258	761, 016	2, 637, 164	4, 110, 262
Kent	126	6, 205, 628	2, 955	1, 715	1, 104	1, 514, 728	3, 977, 934	8, 481, 418
Newport	111	712, 050	834	200	66	539, 763	1, 062, 716	1, 851, 428
Providence	1, 683	61, 299, 603	29, 267	13, 905	5, 618	17, 229, 126	46, 236, 937	82, 083, 318
Washington	195	4, 837, 712	2, 430	1, 593	502	1, 310, 986	4, 188, 692	7, 637, 195

B.—RHODE ISLAND, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	2, 205	75, 575, 943	37, 060	18, 270	7, 548	21, 355, 619	58, 103, 443	104, 163, 621
Boots and shoes, rubber	2	325, 000	508	130	51	225, 025	1, 031, 339	1, 455, 420
Bread and other bakery products.	51	270, 100	301	28	3	158, 389	561, 138	869, 188

TABLE LII.—*Manufactures:* 1880—B.—RHODE ISLAND—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Cardboard	2	100,000	33	8	15	26,378	172,644	271,441
Carriages and wagons	51	181,505	192	.....	1	95,021	130,260	301,259
Clothing, men's	58	899,277	455	586	37	423,717	1,138,144	1,980,330
Cotton goods	133	29,260,734	8,471	9,567	4,038	5,623,933	13,300,149	24,609,461
Drugs and chemicals	13	472,500	239	70	.....	142,099	584,436	847,378
Dyeing and finishing textiles.	16	5,912,500	2,146	430	400	1,093,727	2,315,062	6,874,254
Files	9	540,600	484	11	25	206,220	226,525	659,178
Fire-arms	1	360,000	553	.....	23	264,248	550,785	991,111
Flouring- and grist-mill products.	48	579,600	105	.....	.....	46,870	981,861	1,137,990
Foundery and machine-shop products.	94	4,823,867	4,411	109	75	2,072,143	2,687,484	6,281,707
Furniture	27	283,950	388	16	5	208,509	501,401	840,437
Gold and silver, reduced and refined.	6	138,000	25	.....	.....	18,627	1,366,471	1,421,100
Hardware	7	164,800	217	.....	9	101,059	93,484	254,243
Iron pipe, wrought	3	125,000	150	.....	.....	82,412	172,375	275,222
Iron and steel	3	630,000	200	.....	75	130,969	375,347	488,040
Jewelry	148	2,836,620	2,568	714	188	1,688,616	2,590,611	5,650,133
Leather, tanned	4	368,600	113	.....	.....	55,694	509,370	638,000
Liquors, malt	4	165,000	90	.....	.....	39,410	236,944	398,743
Marble and stone work	39	346,000	354	1	5	155,011	110,299	374,900
Mixed textiles	16	1,591,000	817	663	163	488,068	1,520,099	2,718,822
Oil, cottonseed and cake	1	125,000	32	3	.....	14,899	415,820	458,085
Patent medicines and compounds.	24	474,500	107	23	6	72,609	330,864	772,942
Plated and britannia ware	2	1,025,000	310	15	.....	189,200	611,300	972,000
Printing and publishing	32	361,850	398	18	68	280,900	218,120	674,025
Rubber and elastic goods	2	710,000	687	320	.....	313,715	1,617,000	2,217,000
Sash, doors, and blinds	11	156,500	130	.....	10	59,057	184,080	296,449
Screws	1	3,250,000	467	356	241	239,157	504,684	1,367,672
Shipbuilding	22	227,700	318	.....	.....	194,662	266,858	517,041
Slaughtering and meat-packing.	9	598,000	178	.....	7	97,362	3,449,816	3,876,740
Tinware, copperware, and sheet-iron ware.	75	224,150	282	3	3	153,674	261,473	561,515
Woolen goods	50	8,448,700	4,312	2,648	1,161	2,480,907	9,138,429	15,410,450
Worsted goods	11	4,567,416	1,559	1,739	706	1,222,350	3,941,383	6,177,754
All other industries	1,230	5,032,474	5,460	812	233	2,690,982	6,007,388	11,523,591

A.—SOUTH CAROLINA, BY TOTALS OF COUNTIES.

The State	2,078	11,205,894	19,987	1,023	1,118	2,836,289	9,885,538	16,738,008
COUNTIES.								
Abbeville	81	132,555	152	.....	4	24,288	302,104	388,963
Aiken	68	1,993,170	592	437	301	260,146	1,144,673	1,812,551
Anderson	106	196,570	204	26	16	44,154	261,714	378,303
Barnwell	92	116,250	241	.....	2	22,347	145,747	214,673
Beaufort	23	550,250	951	1	1	201,862	343,496	666,411
Charleston	259	4,631,450	10,848	181	374	1,145,772	2,538,273	5,158,112
Chester	53	62,835	92	.....	2	17,792	154,157	203,126
Chesterfield	34	68,100	441	1	6	63,072	67,900	192,436
Clarendon	33	72,000	345	.....	2	50,552	64,581	168,948
Colleton	34	149,890	673	37	11	104,521	133,395	304,380
Darlington	53	88,200	255	.....	.....	41,569	192,167	290,965
Edgefield	79	121,860	173	.....	4	23,899	259,969	338,165
Fairfield	30	51,100	124	.....	.....	19,608	75,322	116,791
Georgetown	21	230,875	282	20	20	60,227	265,495	431,891
Greenville	130	812,365	525	196	208	169,433	897,249	1,413,556

TABLE LII.—*Manufactures:* 1880—A.—SOUTH CAROLINA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Hampton	24	95,350	263	.....	5	41,433	137,045	250,377
Horry	30	67,895	158	1	1	35,474	94,508	227,275
Kershaw	33	99,800	517	.....	.....	33,603	143,395	210,830
Lancaster	24	57,590	43	.....	.....	5,256	143,789	177,401
Laurens	52	74,685	93	.....	.....	10,300	167,713	199,623
Lexington	83	140,945	156	10	19	21,285	152,813	228,032
Marion	75	142,440	450	1	1	44,080	174,615	301,097
Marlborough	33	59,550	85	.....	1	10,650	124,206	156,131
Newberry	52	73,925	145	.....	4	21,067	172,012	233,187
Oconee	51	89,400	129	6	8	17,000	112,057	176,803
Orangeburgh	43	75,450	275	.....	8	28,614	83,871	143,603
Pickens	55	37,230	60	.....	1	6,190	98,658	123,355
Richland	81	165,765	388	4	28	102,625	201,739	413,391
Spartanburgh	107	307,775	278	97	79	71,414	409,554	610,125
Sumter	73	113,469	505	3	8	61,915	190,496	342,910
Union	41	95,820	96	1	.....	13,525	153,571	197,813
Williamsburgh	53	93,860	313	1	1	39,640	150,433	254,654
York	72	137,475	135	.....	3	22,981	328,221	412,130

B.—SOUTH CAROLINA, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	2,078	11,205,894	19,987	1,023	1,118	2,836,289	9,885,538	16,738,008
Cotton goods	14	2,776,100	661	772	585	380,844	1,808,300	2,895,769
Fertilizers	28	3,493,300	8,979	10	70	576,580	1,297,204	2,691,053
Flouring- and grist-mill products.	720	1,339,269	1,048	1	3	139,352	3,265,485	3,779,470
Foundery and machine-shop products.	18	179,850	283	.....	31	90,449	137,389	289,502
Lumber, sawed	420	1,056,265	1,431	.....	37	221,963	1,237,361	2,031,507
Printing and publishing	14	132,706	194	35	13	115,947	89,450	299,520
Tar and turpentine	192	565,290	4,512	52	55	555,460	666,179	1,893,206
All other industries	672	1,663,120	2,879	153	324	755,694	1,384,170	2,857,981

A.—TENNESSEE, BY TOTALS OF COUNTIES.

The State	4,326	20,092,845	19,575	1,196	1,674	5,254,775	23,834,262	37,074,886
COUNTIES.								
Anderson	14	18,150	27	.....	2	3,222	26,910	37,561
Bedford	112	297,892	236	31	31	51,183	441,383	606,737
Benton	15	29,100	38	.....	.....	5,669	36,715	51,987
Bledsoe	10	7,521	12	.....	.....	1,039	12,296	17,869
Blount	42	124,760	103	36	15	22,206	167,388	236,565
Bradley	35	84,175	99	.....	3	19,540	208,070	266,316
Campbell	14	7,335	15	.....	.....	1,490	14,490	20,225
Cannon	25	52,500	42	.....	.....	6,560	95,870	138,165
Carroll	41	137,200	80	.....	.....	13,951	108,130	153,793
Carter	69	121,015	394	12	5	34,221	197,135	306,893
Cheatham	35	150,236	96	.....	9	19,216	87,328	139,007
Claiborne	32	50,375	28	.....	.....	4,060	63,947	88,625
Clay	4	18,300	22	.....	.....	4,265	18,105	27,567
Cocke	25	86,037	70	.....	.....	11,491	70,293	95,909
Coffee	18	135,100	109	16	21	27,804	169,059	249,500

TABLE LII.—*Manufactures:* 1880—A.—TENNESSEE—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Crockett	36	60,435	91	.....	.....	14,480	96,880	141,153
Cumberland	6	7,200	8	.....	1	465	1,870	4,470
Davidson	352	4,110,345	4,133	538	474	1,388,601	5,841,841	9,385,211
Decatur	5	106,000	73	.....	1	10,930	16,042	30,947
De Kalb	59	62,735	95	2	.....	11,863	122,760	175,277
Dickson	16	184,600	173	6	16	45,070	66,544	134,388
Dyer	23	51,100	83	.....	9	13,250	148,075	198,980
Fayette	30	49,065	61	.....	3	8,982	51,216	83,714
Fentress	3	5,000	12	.....	.....	1,625	14,575	19,630
Franklin	51	111,400	126	3	10	20,109	159,229	219,974
Gibson	71	190,415	268	3	11	63,289	336,148	500,072
Giles	140	207,156	243	12	37	44,874	283,400	426,640
Grainger	31	35,875	38	.....	.....	3,607	44,172	60,544
Greene	123	277,470	161	9	7	25,985	223,518	335,541
Grundy	16	157,700	147	.....	.....	49,443	98,437	194,350
Hamblen	57	86,388	92	.....	.....	18,864	165,538	218,700
Hamilton	58	2,045,000	1,958	7	168	568,508	2,056,438	3,230,006
Hancock	18	12,005	21	.....	.....	3,520	31,841	43,475
Hardeman	48	72,120	70	.....	2	12,600	99,988	141,597
Hardin	31	65,400	68	.....	1	8,335	65,070	97,904
Hawkins	91	93,745	123	7	.....	18,371	203,463	271,385
Haywood	25	68,400	109	.....	4	30,294	207,097	316,766
Henderson	29	41,735	39	.....	3	3,934	75,394	100,873
Henry	61	326,525	208	57	18	51,941	427,504	602,220
Hickman	30	147,335	63	36	20	18,025	133,135	185,525
Houston	11	51,595	89	.....	2	18,225	56,321	95,958
Humphreys	35	86,728	122	4	9	15,810	105,086	162,195
Jackson	23	32,980	39	.....	1	5,080	33,562	49,147
James	11	17,950	16	.....	.....	2,500	30,074	40,164
Jefferson	25	45,440	43	.....	1	5,975	144,742	186,465
Johnson	27	88,550	183	2	6	23,132	39,002	77,328
Knox	136	957,440	786	9	179	320,121	1,066,061	1,629,045
Lake	4	20,000	52	.....	.....	7,720	27,250	42,500
Lauderdale	33	45,450	92	.....	.....	9,889	66,471	93,293
Lawrence	27	211,136	216	81	42	61,734	132,792	197,851
Lewis	2	3,300	9	.....	2	975	2,100	4,200
Lincoln	97	212,000	231	16	31	44,127	334,803	464,950
Loudon	55	177,665	116	17	17	33,270	185,091	298,255
McMinn	58	165,175	95	24	7	24,745	168,042	242,149
McNairy	15	28,700	43	.....	1	4,638	52,059	65,900
Macon	36	57,165	69	.....	1	8,807	83,976	131,546
Madison	73	246,700	272	2	12	70,762	333,947	567,160
Marion	25	400,165	309	.....	11	101,715	303,764	513,968
Marshall	30	67,700	77	.....	.....	10,171	112,326	144,906
Maury	134	277,896	296	.....	5	59,116	387,012	571,549
Meigs	42	44,280	50	.....	1	7,332	85,132	116,289
Monroe	59	70,050	82	4	1	12,224	73,543	107,564
Montgomery	64	376,250	458	49	110	136,410	544,308	812,841
Moore	40	78,430	61	.....	1	12,141	83,029	134,835
Morgan	6	5,400	7	.....	1	1,100	7,350	12,100
Obion	49	280,600	369	4	57	125,350	380,387	644,542
Overton	13	18,100	25	.....	2	2,695	20,870	33,526
Perry	21	66,030	60	.....	1	11,031	161,334	221,173
Polk	5	10,850	8	.....	.....	1,460	21,450	25,811
Putnam	20	25,425	38	.....	1	5,050	33,097	50,550
Rhea	1	10,000	3	.....	.....	1,000	24,000	27,500
Roane	48	787,268	461	.....	31	88,452	221,456	348,426
Robertson	87	344,885	227	2	.....	48,577	388,210	558,580
Rutherford	98	181,755	285	2	16	73,488	419,149	614,292
Scott	2	6,500	4	.....	.....	900	11,740	14,089

TABLE LII.—*Manufactures:* 1880—A.—TENNESSEE—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Sequatchie	6	7,900	4	.....	.....	490	14,550	19,150
Sevier	34	50,540	57	.....	.....	5,262	38,945	55,364
Shelby	186	2,452,425	2,278	69	69	876,566	2,640,910	4,759,091
Smith	59	86,140	96	.....	.....	11,153	155,955	207,753
Stewart	22	597,465	310	.....	51	31,288	85,767	111,642
Sullivan	125	244,177	298	36	31	57,863	296,513	466,680
Sumner	67	198,646	194	41	30	48,348	212,856	342,387
Tipton	25	38,325	67	.....	2	11,331	71,500	104,989
Trousdale	17	23,378	12	.....	.....	1,592	24,005	33,065
Unicoi	1	1,000	.....	.....	.....	.....	.....	.....
Union	20	30,120	26	.....	2	4,157	71,825	91,145
Van Buren	5	5,900	7	.....	.....	960	8,108	12,122
Warren	56	200,803	142	49	27	38,620	209 752	308,204
Washington	93	162,598	153	2	2	28,389	263,930	376,167
Wayne	30	129,220	48	.....	.....	6,350	48,274	67,398
Weakley	39	89,050	194	.....	10	23,197	140,743	205,079
White	35	49,585	69	.....	4	11,634	80,579	118,768
Williamson	79	124,575	185	8	1	24,035	302,071	413,785
Wilson	114	206,595	308	.....	25	54,936	341,149	525,389

B.—TENNESSEE, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	4,326	20,092,845	19,575	1,196	1,674	5,254,775	23,834,262	37,074,886
Bread and other bakery products.	18	120,100	116	6	9	45,390	214,374	335,917
Brick and tile	90	343,354	1,224	7	322	247,227	139,568	523,113
Carriages and wagons	51	715,050	942	2	11	219,998	580,300	1,253,721
Cars, railroad, street, and repairs.	3	175,000	190	.....	.....	69,500	161,500	251,000
Clothing, men's	14	49,200	111	242	10	87,600	123,300	277,275
Confectionery	10	89,500	87	76	12	35,450	266,500	361,225
Cotton compressing	3	530,000	173	.....	.....	102,825	152,670	311,750
Cotton goods	19	1,184,600	296	543	239	170,507	586,609	934,014
Flouring- and grist-mill products.	990	3,595,585	1,847	.....	2	376,399	9,070,421	10,784,804
Foundery and machine-shop products.	50	551,950	738	2	26	269,272	610,824	1,191,531
Furniture	85	511,250	643	7	149	231,772	427,637	954,100
Iron and steel	43	3,681,776	2,758	10	309	659,773	1,376,059	2,274,203
Leather, curried	113	154,185	118	.....	2	27,700	452,774	546,427
Leather, tanned	147	470,075	333	.....	12	86,988	1,041,605	1,504,660
Liquors, distilled	63	373,573	136	.....	.....	43,344	353,776	540,729
Lumber, planed	15	117,700	169	.....	24	63,275	150,570	270,405
Lumber, sawed	755	2,004,503	3,577	.....	141	549,222	2,142,885	3,744,905
Oil, cottonseed and cake	9	935,000	644	4	18	163,340	812,000	1,235,000
Printing and publishing	30	625,550	368	41	53	248,356	213,026	653,645
Saddlery and harness	86	180,166	382	1	31	123,912	308,295	595,135
Sash, doors, and blinds	8	183,500	103	1	3	80,100	132,930	268,930
Slaughtering and meat-packing.	6	105,000	227	.....	.....	47,600	1,019,692	1,376,476
Tinware, copperware, and sheet-iron ware.	70	365,750	374	10	7	134,367	346,290	710,813
Woolen goods	106	418,664	249	111	42	67,063	423,054	620,724
All other industries	1,542	2,611,814	3,770	133	252	1,103,795	2,727,603	5,554,384

TABLE LII.—*Manufactures:* 1880—Continued.

A.—TEXAS, BY TOTALS OF COUNTIES.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	2,996	9,245,561	11,645	116	398	3,343,087	12,956,269	20,719,928
Anderson	24	47,500	147	.....	1	27,977	50,954	138,105
Angelina	3	6,475	12	.....	.....	927	3,250	6,250
Aransas	2	200,700	126	.....	.....	47,150	254,600	454,915
Archer (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Armstrong (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Atascosa (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Austin	55	71,910	161	.....	.....	29,341	86,262	151,673
Bandera	2	5,060	4	.....	.....	1,200	7,300	10,640
Bastrop	59	79,175	161	.....	.....	17,847	86,249	129,634
Baylor	1	300	.....	.....	.....	.....	300	800
Bee	6	4,800	3	.....	.....	755	2,350	5,700
Bell	45	139,042	93	2	.....	19,942	248,761	321,966
Bexar	72	310,300	301	13	48	137,811	328,526	643,112
Blanco	9	15,250	12	.....	.....	1,517	16,670	25,196
Borden (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Bosque	11	29,300	49	.....	.....	6,730	140,277	161,784
Bowie	25	186,725	185	2	8	47,911	228,027	417,840
Brazoria	1	250	2	.....	.....	50	450	550
Brazos	5	52,500	41	2	1	13,759	52,286	73,733
Briscoe (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Brown	7	25,049	18	.....	1	2,865	109,050	141,670
Burleson	6	8,200	14	.....	.....	1,810	9,960	12,490
Burnet	19	35,737	38	.....	4	5,791	77,186	97,427
Caldwell	28	52,350	48	.....	1	7,386	106,752	131,789
Calhoun	1	300	2	.....	.....	1,200	1,400	3,000
Callahan	1	300	2	.....	.....	300	3,710	4,411
Cameron	2	16,250	10	.....	.....	5,000	2,660	15,050
Camp	14	25,150	25	.....	.....	3,625	24,608	37,134
Cass	64	146,720	289	.....	6	63,125	201,836	345,916
Chambers	4	2,850	10	.....	.....	1,510	3,520	6,550
Cherokee	32	39,650	79	.....	.....	9,902	72,810	97,956
Childress (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Clay	5	24,500	23	.....	.....	5,720	29,050	39,230
Coleman	3	4,200	6	2	.....	3,300	1,700	6,910
Collin	37	130,050	109	.....	1	26,834	218,354	291,931
Collingsworth (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Colorado	28	37,825	55	.....	3	14,100	50,100	84,260
Comal	48	168,500	68	8	1	34,815	149,017	231,331
Comanche	18	37,195	29	.....	.....	8,580	109,830	144,792
Concho (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Cooke	25	47,525	105	.....	10	26,984	135,044	183,205
Coryell	12	35,000	34	.....	.....	6,700	83,400	100,640
Cottle (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Crockett (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Crosby (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Dallas	126	450,125	527	12	23	221,680	916,288	1,459,362
Dawson (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Deaf Smith (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Delta	9	11,625	13	.....	.....	1,477	12,270	16,610
Denton	22	65,420	64	.....	.....	11,645	74,576	104,344
De Witt	28	48,450	53	1	4	8,513	63,778	97,286
Dickens (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Dimmit	1	200	1	.....	.....	150	1,500	3,000
Donley (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Duval (*a*)	.....	.....	.....	.....	.....	.....	.....	.....

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—TEXAS—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Eastland	9	11,200	20	.....	.....	2,416	28,161	35,343
Edwards (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Ellis	30	44,250	103	.....	.....	23,688	148,511	201,238
El Paso	4	25,500	19	.....	.....	5,200	81,630	105,363
Encinal (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Erath	14	31,900	49	.....	.....	6,955	53,813	72,158
Falls	12	16,750	29	.....	.....	5,565	11,425	22,300
Fannin	40	126,800	144	.....	11	30,709	148,644	223,229
Fayette	74	113,448	150	.....	.....	23,882	120,048	181,844
Fisher (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Floyd (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Fort Bend	18	26,850	61	.....	.....	7,942	23,109	43,200
Franklin	15	28,450	62	.....	.....	10,365	29,990	56,550
Freestone	21	33,850	57	.....	.....	6,638	58,240	76,878
Frio (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Gaines (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Galveston	172	871,750	634	15	36	500,255	1,283,846	2,377,065
Garza (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Gillespie	22	37,500	26	.....	.....	4,594	51,171	67,248
Goliad	6	7,200	10	.....	.....	3,134	5,225	12,547
Gonzales	31	64,800	66	.....	3	9,790	55,406	77,063
Gray (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Grayson	77	345,900	330	5	8	105,899	393,399	612,024
Gregg	15	117,900	186	.....	1	34,901	99,183	174,788
Grimes	33	127,450	185	1	.....	32,533	116,625	191,361
Guadalupe	16	29,350	19	.....	.....	3,023	39,341	51,244
Hall (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Hamilton	13	32,850	41	.....	.....	4,140	28,545	38,207
Hansford (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Hardeman (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Hardin (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Harris	85	683,625	688	7	47	296,369	687,204	1,363,293
Harrison	39	93,275	264	5	9	71,388	149,419	281,111
Hartley (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Haskell (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Hayes	10	51,300	28	.....	.....	6,235	33,645	47,931
Hemphill (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Henderson	14	15,775	53	.....	.....	4,650	22,950	32,344
Hidalgo (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Hill	36	36,760	86	.....	3	11,074	101,604	154,685
Hood	5	25,125	12	.....	.....	2,980	48,104	55,641
Hopkins	18	57,450	67	3	3	13,575	100,015	127,910
Houston	26	55,600	72	.....	.....	5,971	67,777	85,954
Howard (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Hunt	21	42,450	56	.....	1	9,943	96,033	127,955
Hutchinson (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Jack	12	20,675	30	.....	.....	4,709	24,967	37,199
Jackson	3	750	2	.....	.....	1,000	1,175	3,500
Jasper	4	2,500	4	.....	.....	300	2,215	3,062
Jefferson	10	271,600	292	.....	27	118,400	286,710	483,000
Johnson	49	61,337	117	.....	.....	24,402	105,072	162,066
Jones (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Karnes	5	4,000	2	.....	.....	375	5,590	8,300
Kaufman	38	85,950	124	1	9	29,006	293,070	399,262
Kendall	2	2,500	3	.....	.....	654	1,341	2,657
Kent (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Kerr	4	15,500	5	.....	.....	1,306	17,317	21,819
Kimble (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
King (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Kinney	1	500	1	.....	.....	500	8,225	11,100

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—TEXAS—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Knox (*a*)								
Lamar	37	74,970	159	4	6	37,241	142,175	226,266
Lampasas	13	28,700	23			3,605	45,000	63,277
La Salle (*a*)								
Lavaca	33	54,900	72			8,608	55,114	74,739
Lee	23	42,960	38			3,961	41,452	51,819
Leon	4	8,350	22		1	2,250	11,530	17,150
Liberty	17	56,600	147		2	40,718	134,578	217,735
Limestone	31	45,000	160	2	11	30,562	89,193	151,976
Lipscomb (*a*)								
Live Oak	3	615					750	2,000
Llano (*a*)								
Lubbock (*a*)								
Lynn (*a*)								
McCulloch (*a*)								
McLennan	41	183,000	203	10	27	61,536	265,861	379,510
McMullen (*a*)								
Madison (*a*)								
Marion	10	78,800	240		5	63,870	71,140	164,811
Martin (*a*)								
Mason	2	765					380	1,300
Matagorda	5	6,000	10			830	3,080	4,820
Maverick	1	1,000	2			300	400	1,500
Medina	14	27,175	17			2,680	62,309	80,492
Menard (*a*)								
Milam	40	53,335	134	2		9,828	50,119	74,131
Mitchell (*a*)								
Montague	23	45,243	48			4,715	50,411	65,834
Montgomery	35	168,020	418		7	108,224	278,755	495,990
Morris	11	20,000	38			8,123	15,794	38,150
Motley (*a*)								
Nacogdoches	26	31,900	47		2	4,309	28,166	39,707
Navarro	21	42,385	78			9,487	70,897	94,338
Newton	16	12,600	34			1,505	20,084	25,324
Nolan (*a*)								
Nueces	3	29,500	11			2,430	1,040	4,988
Oldham (*a*)								
Orange	9	212,500	311		3	123,600	307,200	519,900
Palo Pinto	9	15,350	20			3,976	11,315	24,425
Panola	20	26,584	68		2	5,608	78,202	98,962
Parker	16	68,025	53			17,155	207,865	249,223
Pecos (*a*)								
Polk	4	12,850	29			5,952	17,175	30,600
Potter (*a*)								
Presidio	1	3,000	7			415	4,150	6,000
Rains	6	4,225	10			2,150	9,550	16,800
Randall (*a*)								
Red River	73	127,705	221		5	42,627	150,116	253,810
Refugio (*a*)								
Roberts (*a*)								
Robertson	16	17,300	41		2	7,745	26,455	41,760
Rockwall	1	2,000	3			153	1,538	1,950
Runnels (*a*)								
Rusk	28	28,825	95			7,881	35,677	54,175
Sabine	7	6,850	19			2,052	10,970	16,130
San Augustine	13	11,100	38		1	4,200	12,680	24,070
San Jacinto	8	30,500	33		1	11,580	40,230	66,660
San Patricio (*a*)								
San Saba	7	32,100	20			1,720	33,575	39,175
Scurry (*a*)								

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—TEXAS—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Shackelford	6	13,950	13			4,044	8,487	19,012
Shelby	22	22,481	60		2	6,135	22,408	37,304
Smith	20	23,275	41		2	7,600	20,533	36,588
Somervell	3	33,700	10	1	3	2,770	33,200	42,500
Starr (*a*)								
Stephens	6	8,350	17			3,150	3,675	9,500
Stonewall (*a*)								
Swisher (*a*)								
Tarrant	58	152,741	158	2	3	56,832	338,825	476,087
Taylor (*a*)								
Throckmorton (*a*)								
Titus	15	8,750	33			3,807	13,645	23,230
Tom Green	1	1,100	1			450	2,094	3,415
Travis	116	485,775	427	9	24	201,808	418,905	833,538
Trinity	12	16,850	58			7,005	44,209	63,822
Tyler	7	9,200	13			800	3,995	6,675
Upshur	23	45,699	136			28,888	104,572	164,212
Uvalde	2	7,000	3			600	12,750	15,014
Van Zandt	21	131,200	62	1	1	17,352	105,706	156,293
Victoria	4	9,900	4			661	9,851	12,040
Walker	24	62,600	191			22,821	103,145	153,564
Waller	8	92,350	60	2	2	10,930	73,895	111,500
Washington	45	65,125	90		12	12,860	58,234	96,099
Webb (*a*)								
Wharton (*a*)								
Wheeler (*a*)								
Wichita (*a*)								
Wilbarger (*a*)								
Williamson	11	43,200	43			3,481	63,893	73,734
Wilson	13	17,250	24	3		2,557	9,630	17,910
Wise	26	54,030	52			7,440	63,288	87,413
Wood	51	121,475	247	1	4	45,160	178,397	294,560
Young	9	25,700	15			3,565	83,600	97,590
Zapata	2	300	2			380	1,000	2,200
Zavalla (*a*)								

a Returned as having no manufactures.

B.—TEXAS, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	2,996	9,245,561	11,645	116	398	3,343,087	12,956,269	20,719,928
Brick and tile	113	183,530	1,042	8	135	204,499	105,074	448,418
Carriages and wagons	34	150,700	205		6	92,014	139,000	301,800
Flouring- and grist-mill products.	921	3,082,952	2,602	1	6	368,683	6,371,606	7,617,177
Foundery and machine-shop products.	30	365,350	349		11	149,212	228,151	532,778
Lumber, planed	17	143,000	187		4	73,775	295,640	456,600
Lumber, sawed	324	1,660,952	3,136	1	49	732,914	2,096,775	3,673,449
Oil, cottonseed and cake	4	202,000	151	4	3	36,272	192,441	276,450
Printing and publishing	39	447,900	307	19	88	232,924	207,438	605,000
Saddlery and harness	126	286,925	260	2	8	110,576	325,579	587,871
Sash, doors, and blinds	8	106,400	81		1	49,800	305,200	416,500
Slaughtering and meat-packing.	3	202,200	132			49,800	280,220	486,400
Tinware, copperware, and sheet-iron ware.	86	236,730	211		6	105,174	259,300	491,420
Tobacco, cigars, and cigarettes.	31	31,300	104	5	1	67,556	99,200	263,810
All other industries	1,260	2,145,622	2,878	76	80	1,069,888	2,050,645	4,562,255

TABLE LII.—*Manufactures:* 1880—Continued.

A.—UTAH TERRITORY, BY TOTALS OF COUNTIES.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The Territory	640	2, 656, 657	2, 042	221	232	858, 863	2, 561, 737	4, 324, 992
Beaver	26	103, 900	121	7	6	49, 775	108, 958	195, 245
Box Elder	28	108, 325	116	8	9	35, 090	94, 102	163, 501
Cache	33	131, 800	114	1	4	41, 287	162, 215	243, 989
Davis	31	64, 150	56	1	3	14, 931	98, 454	131, 116
Emery (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Iron	15	42, 000	30	.....	1	8, 780	80, 094	99, 410
Juab	9	14, 150	14	.....	6	2, 415	16, 191	21, 831
Kane	13	15, 387	19	4	5	4, 867	28, 340	41, 142
Millard	10	23, 580	17	.....	1	5, 650	28, 800	45, 090
Morgan	9	27, 300	19	1	.....	3, 630	19, 583	27, 387
Pi Ute	1	2, 000	2	.....	2	600	3, 300	4, 500
Rich	3	12, 450	5	.....	.....	260	3, 620	5, 485
Salt Lake	207	1, 089, 015	845	123	124	477, 791	1, 005, 518	1, 933, 221
San Juan (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Sanpete	27	63, 100	62	1	1	15, 085	152, 490	195, 365
Sevier	14	20, 500	23	.....	2	6, 650	48, 100	63, 066
Summit	12	31, 700	28	.....	.....	4, 120	26, 615	37, 122
Tooele	21	39, 450	34	.....	1	9, 390	34, 105	55, 805
Uintah (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Utah	106	395, 350	235	45	32	86, 095	337, 489	549, 971
Wasatch	22	35, 500	63	.....	5	10, 190	59, 692	86, 286
Washington	12	69, 000	60	23	10	13, 749	27, 304	55, 350
Weber	41	368, 000	179	7	20	68, 508	226, 767	370, 110

a Returned as having no manufactures.

B.—UTAH TERRITORY, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	640	2, 656, 657	2, 042	221	232	858, 863	2, 561, 737	4, 324, 992
Flouring- and grist-mill products.	85	595, 950	157	.....	.....	56, 557	1, 136, 176	1, 364, 619
Lumber, sawed	107	272, 750	375	.....	10	65, 175	238, 274	375, 164
Woolen goods	11	382, 000	150	79	48	68, 108	147, 226	279, 424
All other industries	437	1, 405, 957	1, 360	142	174	669, 023	1, 040, 061	2, 305, 785

A.—VERMONT, BY TOTALS OF COUNTIES.

The State	2, 874	23, 265, 224	14, 438	2, 271	831	5, 164, 479	18, 330, 677	31, 354, 366
COUNTIES.								
Addison	167	706, 950	536	18	17	135, 951	647, 005	1, 006, 921
Bennington	195	3, 263, 796	1, 835	759	298	761, 986	2, 380, 615	4, 009, 222
Caledonia	174	3, 691, 234	1, 296	34	26	516, 542	1, 013, 671	3, 224, 139
Chittenden	246	3, 265, 156	2, 466	454	202	918, 400	4, 513, 870	6, 244, 391
Essex	44	367, 400	185	.....	30	50, 876	319, 419	456, 467
Franklin	198	976, 650	639	21	17	191, 495	883, 320	1, 393, 002
Grand Isle	8	6, 900	11	.....	.....	773	3, 588	7, 240
Lamoille	126	404, 850	319	5	4	60, 567	309, 168	500, 081
Orange	190	694, 720	550	50	9	135, 717	604, 789	959, 635
Orleans	207	906, 486	710	36	35	163, 640	688, 915	1, 118, 795

TABLE LII.—*Manufactures:* 1880—A.—VERMONT—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Rutland	358	2, 560, 045	1, 874	74	59	678, 349	1, 505, 014	3, 076, 452
Washington	271	1, 245, 997	798	60	7	271, 217	1, 243, 992	1, 920, 210
Windham	310	2, 288, 135	1, 346	175	18	603, 596	1, 616, 264	3, 219, 079
Windsor	380	2, 886, 905	1, 873	585	109	675, 370	2, 601, 047	4, 218, 732

B.—VERMONT, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	2, 874	23, 265, 224	14, 438	2, 271	831	5, 164, 479	18, 330, 677	31, 354, 366
Agricultural implements	35	640, 900	462	2	.....	165, 894	357, 639	718, 455
Cheese and butter	85	202, 300	126	28	2	22, 535	284, 422	393, 122
Cotton goods	8	956, 096	219	354	181	173, 748	555, 297	915, 864
Flouring- and grist-mill products.	227	1, 152, 461	331	.....	.....	81, 589	2, 602, 641	3, 038, 688
Foundery and machine-shop products.	45	1, 137, 675	578	6	4	243, 426	326, 770	783, 828
Furniture	56	296, 150	288	.....	5	91, 617	155, 452	333, 522
Hosiery and knit goods	6	492, 000	138	227	18	101, 037	359, 938	595, 270
Iron and steel	4	410, 000	190	.....	1	50, 035	240, 900	392, 300
Leather, curried	24	113, 950	63	.....	.....	22, 245	457, 632	530, 337
Leather, tanned	53	433, 300	184	.....	1	62, 461	838, 426	1, 084, 503
Lumber, planed	18	854, 800	528	.....	19	170, 948	2, 371, 512	2, 709, 522
Lumber, sawed	688	3, 274, 250	2, 411	.....	100	426, 953	2, 021, 868	3, 258, 816
Marble and stone work	69	904, 575	1, 032	.....	4	394, 400	535, 837	1, 303, 790
Mixed textiles	7	776, 000	361	253	82	190, 775	845, 910	1, 277, 903
Musical instruments, organs and materials.	2	803, 000	367	35	.....	206, 200	304, 500	680, 800
Paper, not specified	13	785, 500	283	92	2	189, 889	556, 667	1, 237, 484
Sash, doors, and blinds	35	263, 050	282	.....	60	98, 445	278, 835	447, 185
Scales and balances	3	3, 051, 481	783	.....	.....	410, 786	215, 215	2, 080, 474
Tinware, copperware, and sheet-iron ware.	95	291, 300	253	6	3	94, 966	216, 690	429, 715
Woolen goods	44	2, 320, 161	1, 171	783	130	544, 138	2, 012, 490	3, 217, 807
All other industries	1, 357	4, 106, 275	4, 388	485	219	1, 422, 392	2, 792, 036	5, 924, 981

A.—VIRGINIA, BY TOTALS OF COUNTIES.

The State	5, 710	26, 968, 990	28, 779	6, 144	5, 261	7, 425, 261	32, 883, 933	51, 780, 992
COUNTIES.								
Accomac	47	60, 750	134	16	1	21, 735	58, 090	112, 291
Albemarle	112	278, 200	315	34	22	69, 908	310, 211	486, 990
Alexandria	120	659, 390	683	12	32	189, 475	494, 747	914, 289
Alleghany	19	1, 065, 800	167	1	6	67, 688	121, 495	229, 603
Amelia	33	80, 600	75	.....	.....	9, 908	82, 552	114, 394
Amherst	33	134, 990	126	.....	1	13, 602	116, 465	146, 368
Appomattox	19	45, 400	47	4	1	6, 527	52, 346	71, 427
Augusta	208	973, 276	499	9	23	97, 864	668, 833	932, 612
Bath	8	83, 300	5	.....	.....	716	19, 505	22, 584
Bedford	120	244, 716	358	101	220	63, 263	389, 696	559, 228
Bland	6	16, 750	4	.....	.....	1, 250	18, 020	21, 964
Botetourt	106	390, 330	235	28	6	64, 266	216, 855	307, 484
Brunswick	33	50, 700	66	.....	2	5, 608	83, 595	105, 250
Buchanan (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Buckingham	44	75, 250	[illegible]	.....	3	10, 122	95, 804	125, 012

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—A.—VIRGINIA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Campbell	164	1,020,720	1,623	530	715	478,264	1,622,071	2,510,591
Caroline	43	114,300	129	.....	34	18,349	83,343	124,026
Carroll	63	51,800	83	.....	.....	10,361	77,934	112,248
Charles City	16	26,400	52	.....	.....	6,612	32,275	53,221
Charlotte	40	66,275	90	.....	.....	8,675	99,666	129,606
Chesterfield	50	475,680	469	177	161	154,427	470,605	754,695
Clarke	41	55,200	91	2	.....	12,485	95,175	139,413
Craig	17	19,698	14	1	.....	1,592	32,599	41,259
Culpeper	67	93,855	140	.....	8	22,175	167,090	232,084
Cumberland	45	62,825	71	.....	2	9,000	139,385	188,009
Dinwiddie	146	1,863,740	2,282	1,245	742	609,043	3,320,453	4,694,147
Elizabeth City	43	79,735	196	113	37	39,145	87,814	160,458
Essex	37	91,150	161	25	26	21,265	105,465	166,270
Fairfax	47	239,500	114	.....	.....	24,745	195,765	267,916
Fauquier	69	77,040	88	.....	2	11,602	96,768	148,268
Floyd	105	75,360	97	.....	4	16,943	130,341	180,329
Fluvanna	37	44,380	84	.....	2	9,955	69,320	100,975
Franklin	73	97,766	141	9	18	12,862	149,552	203,745
Frederick	105	790,034	477	245	18	149,880	774,282	1,201,802
Giles	41	93,705	177	.....	2	12,638	54,978	82,163
Gloucester	16	46,550	48	.....	1	7,816	54,590	75,813
Goochland	29	77,810	69	1	1	7,599	100,522	128,278
Grayson	46	57,825	41	.....	2	6,978	83,918	106,134
Greene	19	34,000	31	.....	.....	4,100	51,758	64,937
Greensville	27	68,975	92	1	1	10,416	57,248	92,067
Halifax	101	156,270	248	16	41	33,089	272,403	368,927
Hanover	49	92,355	154	20	18	18,740	91,620	137,909
Henrico	626	6,991,316	9,386	2,878	1,988	3,038,624	12,279,415	20,997,134
Henry	56	251,825	320	61	166	44,994	256,186	397,320
Highland	8	13,200	12	.....	2	2,335	31,876	39,545
Isle of Wight	30	143,450	154	.....	1	25,134	87,590	143,977
James City	14	28,000	58	.....	.....	7,222	42,186	63,127
King and Queen	33	44,975	62	.....	.....	6,390	54,975	77,087
King George	9	16,350	20	.....	.....	2,959	28,910	37,225
King William	22	47,125	104	.....	3	16,965	89,106	128,300
Lancaster	12	33,200	69	.....	.....	4,712	25,660	40,661
Lee	48	60,563	60	.....	.....	6,466	76,304	98,578
Loudoun	171	265,425	279	.....	2	45,737	295,700	433,140
Louisa	50	117,450	104	2	4	12,670	136,026	183,284
Lunenburg	15	20,750	29	.....	.....	2,496	34,310	44,616
Madison	62	85,950	114	3	3	15,635	126,484	168,234
Mathews	15	23,050	26	.....	.....	4,922	33,533	47,864
Mecklenburg	47	81,475	90	.....	1	9,275	184,065	223,011
Middlesex	23	26,750	63	.....	1	10,175	48,703	73,982
Montgomery	48	83,800	79	.....	1	14,054	92,265	141,962
Nansemond	20	58,050	87	.....	.....	18,189	59,995	101,362
Nelson	40	81,940	57	.....	.....	11,604	96,167	129,387
New Kent	22	57,435	79	.....	.....	10,224	57,920	90,803
Norfolk	145	929,051	1,400	65	54	481,986	1,298,225	2,194,137
Northampton	12	21,200	56	.....	.....	6,550	19,071	34,845
Northumberland	42	33,050	82	.....	.....	18,490	38,579	67,810
Nottoway	32	52,400	76	.....	11	9,459	69,758	100,285
Orange	32	56,150	42	.....	4	6,441	87,545	112,622
Page	55	660,750	345	2	16	94,236	234,978	378,343
Patrick	6	32,500	31	2	.....	3,657	45,531	55,266
Pittsylvania	156	1,006,282	1,457	351	566	391,649	1,330,628	2,133,681
Powhatan	24	44,450	49	.....	.....	4,291	51,885	67,310
Prince Edward	30	50,200	87	.....	.....	12,453	79,020	118,632
Prince George	10	39,400	64	.....	.....	7,976	30,930	49,667
Princess Anne	20	32,460	41	.....	1	6,615	42,100	63,445

TABLE LII.—*Manufactures:* 1880—A.—VIRGINIA—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Prince William	18	44,675	48	.....	.....	7,012	51,319	73,306
Pulaski	34	203,985	212	2	2	15,284	95,129	136,380
Rappahannock	47	90,025	106	3	.....	17,659	151,327	193,329
Richmond	7	23,100	15	.....	.....	2,307	20,930	27,737
Roanoke	105	264,250	295	54	83	67,060	317,445	488,038
Rockbridge	98	491,760	137	6	5	28,654	227,510	319,776
Rockingham	169	557,261	348	4	6	64,482	605,054	831,190
Russell	23	45,600	34	.....	.....	5,470	33,801	51,880
Scott	47	36,552	51	.....	.....	6,811	110,170	136,882
Shenandoah	197	628,165	462	1	50	95,122	506,447	701,380
Smyth	74	1,272,750	352	34	28	61,187	246,428	453,010
Southampton	44	58,525	130	.....	2	16,937	81,190	130,249
Spotsylvania	81	423,650	345	56	26	90,497	664,784	903,541
Stafford	4	6,700	6	.....	.....	473	10,725	12,893
Surry	16	82,850	130	.....	1	15,210	64,785	103,320
Sussex	22	46,100	80	.....	.....	13,666	53,238	87,509
Tazewell	54	98,150	82	3	.....	10,835	110,280	145,569
Warren	53	317,150	147	16	7	38,625	260,868	396,763
Warwick (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Washington	112	219,020	206	6	40	44,922	234,182	384,398
Westmoreland	7	17,400	32	.....	.....	4,150	23,776	36,009
Wise	9	6,220	6	.....	.....	498	27,240	36,605
Wythe	98	382,530	482	5	35	113,652	242,425	425,350
York	12	30,200	30	.....	.....	9,475	34,100	54,450

a Returned as having no manufactures.

B.—VIRGINIA, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	5,710	26,968,990	28,779	6,144	5,261	7,425,261	32,883,933	51,780,992
Agricultural implements	51	536,030	519	.....	11	162,634	244,377	602,959
Boxes, wooden, packing	15	134,300	180	.....	18	66,570	155,235	284,966
Bread and other bakery products.	51	131,700	222	31	20	81,661	442,190	644,560
Brick and tile	84	290,085	1,180	.....	245	188,072	80,420	398,789
Carriages and wagons	43	258,700	404	.....	11	128,769	243,400	508,400
Clothing, men's	57	221,202	258	481	2	147,149	272,716	584,077
Cooperage	75	77,751	463	.....	15	73,430	146,021	279,964
Cotton goods	8	1,190,100	274	530	281	169,789	640,391	1,040,962
Drugs and chemicals	20	281,000	344	2	5	63,535	280,740	438,030
Fertilizers	17	415,400	293	3	.....	46,970	424,000	624,300
Flouring- and grist-mill products.	1,385	5,791,137	2,200	3	2	409,639	10,574,211	12,210,272
Foundery and machine-shop products.	56	767,400	1,401	1	80	396,997	663,167	1,361,231
Furniture	118	225,700	317	11	14	102,564	157,770	401,282
Iron and steel	44	4,329,713	2,399	2	121	665,432	1,496,151	2,585,999
Leather, tanned	163	658,973	328	.....	1	80,251	706,333	1,011,830
Lumber, planed	9	67,200	120	.....	2	37,420	189,950	284,000
Lumber, sawed	907	2,122,925	3,922	.....	89	540,231	1,983,777	3,434,163
Paper, not specified	3	170,000	87	26	2	40,000	128,014	261,000
Printing and publishing	45	344,900	486	15	33	237,918	211,854	624,975
Saddlery and harness	84	107,710	184	.....	9	72,183	171,655	328,778
Sash, doors, and blinds	15	130,000	183	.....	.....	67,909	249,667	400,835
Slaughtering and meat-packing.	4	89,000	53	.....	.....	13,750	967,900	1,054,500
Tinware, copperware, and sheet-iron ware.	104	223,215	370	1	7	134,078	315,598	608,150
Tobacco, chewing, smoking, and snuff.	143	3,551,100	6,729	3,671	3,514	1,859,447	7,705,717	13,231,038

TABLE LII.—*Manufactures:* 1880—B.—VIRGINIA—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.
			Males above 16 years.	Females above 15 years.	Children and youths.			
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Tobacco, cigars, and cigarettes.	56	182,080	385	21	83	115,230	210,468	483,953
Tobacco, stemming	27	435,184	369	470	202	81,215	767,973	1,074,005
Woolen goods	48	456,750	251	95	19	71,720	383,080	577,968
All other industries	2,078	3,779,735	4,858	781	475	1,370,698	3,071,158	6,440,006

A.—WASHINGTON TERRITORY, BY TOTALS OF COUNTIES.

The Territory	261	3,202,497	1,110	25	12	532,226	1,967,469	3,250,134
COUNTIES.								
Chehalis	5	15,200	8	.....	.....	2,424	12,250	18,892
Clallam	1	500	1	.....	.....	1,580	1,800	3,500
Clarke	12	15,000	14	.....	.....	6,195	12,988	29,006
Columbia	10	60,100	39	8	3	12,625	69,326	108,650
Cowlitz	5	18,800	5	.....	.....	1,200	9,700	15,100
Island	11	112,800	60	.....	.....	17,950	176,300	273,430
Jefferson	6	223,967	57	.....	.....	32,956	169,957	223,984
King	29	402,970	174	.....	.....	102,891	252,636	469,235
Kitsap	14	1,482,900	276	.....	.....	119,275	554,400	814,600
Klikitat	25	49,325	29	.....	1	12,360	41,175	77,050
Lewis	9	37,500	22	.....	.....	5,980	46,578	67,247
Mason (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Pacific	3	60,300	21	.....	3	8,350	34,400	54,000
Pierce	6	243,300	126	.....	4	53,411	192,051	288,720
San Juan	2	25,000	22	2	.....	10,000	8,350	28,000
Skamania (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Snohomish	3	1,800	.....	.....	.....	.....	250	1,700
Spokane	9	9,225	7	.....	.....	2,300	7,250	19,100
Stevens	4	6,300	4	.....	.....	1,014	3,113	6,005
Thurston	36	140,150	66	15	1	34,890	66,085	144,460
Wahkiakum (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Walla Walla	42	249,400	145	.....	.....	88,607	251,058	496,760
Whatcom	1	4,000	4	.....	.....	1,650	11,000	16,000
Whitman	15	30,000	18	.....	.....	8,943	34,825	63,000
Yakima	13	13,960	12	.....	.....	7,625	11,977	31,695

a Returned as having no manufactures.

B.—WASHINGTON TERRITORY, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	261	3,202,497	1,110	25	12	532,226	1,967,469	3,250,134
Lumber, sawed	37	2,456,450	495	.....	4	200,539	1,188,075	1,734,742
All other industries	224	746,047	615	25	8	331,687	779,394	1,515,392

TABLE LII.—*Manufactures:* 1880—Continued.

A.—WEST VIRGINIA, BY TOTALS OF COUNTIES.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	2,375	13,883,390	12,900	346	1,065	4,313,965	14,027,388	22,867,126
Barbour	53	67,405	72	3	3	10,037	90,893	128,763
Berkeley	104	530,945	227	1	3	54,939	435,500	630,112
Boone	4	5,400	6	.....	.....	875	14,200	17,062
Braxton	22	84,240	75	.....	10	8,214	31,180	51,074
Brooke	47	206,775	221	18	31	49,158	184,479	312,073
Cabell	58	163,275	214	9	11	60,242	225,140	360,937
Calhoun	3	8,500	6	.....	1	1,550	4,605	8,094
Clay (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Doddridge	51	65,786	142	.....	.....	32,706	167,729	256,792
Fayette	39	554,300	248	.....	1	91,130	308,861	512,764
Gilmer	17	28,010	23	.....	.....	3,878	42,005	53,617
Grant	25	39,625	38	1	.....	4,784	50,365	65,482
Greenbrier	51	186,385	89	3	7	15,765	100,678	147,331
Hampshire	54	150,957	84	4	5	13,133	149,658	195,777
Hancock	54	256,475	235	.....	8	87,794	106,725	276,018
Hardy	41	114,612	86	.....	2	8,513	45,750	69,572
Harrison	86	221,626	202	6	1	46,337	293,949	418,598
Jackson	69	101,780	136	9	3	35,485	238,349	335,332
Jefferson	113	449,335	348	1	6	85,615	490,614	704,615
Kanawha	73	327,480	436	15	24	102,871	312,030	488,882
Lewis	68	111,430	150	.....	3	35,342	160,586	247,180
Lincoln (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Logan	2	7,000	3	.....	.....	578	10,680	12,963
McDowell (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Marion	93	330,175	313	6	11	79,314	432,906	615,396
Marshall	87	1,035,526	1,105	.....	105	372,938	1,146,821	1,871,656
Mason	67	1,081,575	890	1	57	207,812	478,862	843,986
Mercer	1	300	.....	.....	.....	.....	2,000	2,500
Mineral	36	98,668	92	3	5	31,461	107,045	173,633
Monongalia	73	157,850	161	2	3	30,877	198,134	281,073
Monroe	32	103,400	77	6	.....	18,597	129,933	185,578
Morgan	16	118,320	122	.....	1	46,600	451,098	648,407
Nicholas	24	26,650	37	9	2	2,484	18,112	26,235
Ohio	250	4,897,483	4,697	196	667	2,202,550	5,254,675	9,335,780
Pendleton	26	45,050	33	4	.....	5,405	69,860	87,892
Pleasants	39	64,775	72	.....	2	17,504	121,391	174,142
Pocahontas	24	24,875	19	.....	3	3,335	34,240	45,544
Preston	108	409,555	697	8	13	150,657	336,341	568,397
Putnam	8	20,500	39	.....	2	9,050	31,345	52,433
Raleigh	7	15,300	17	.....	.....	3,350	24,695	35,066
Randolph	20	27,650	22	.....	.....	2,860	36,395	49,487
Ritchie	48	146,647	129	.....	.....	33,118	150,752	230,255
Roane	23	28,415	47	.....	.....	7,249	56,460	78,179
Summers	21	54,320	76	.....	2	13,029	55,248	85,561
Taylor	75	496,150	193	15	15	50,093	256,716	367,314
Tucker	5	7,000	10	.....	.....	860	3,660	5,608
Tyler	47	135,410	174	13	14	23,345	172,301	238,942
Upshur	38	75,225	63	1	.....	10,309	42,391	71,322
Wayne	22	32,000	73	.....	12	13,774	96,112	129,812
Webster	1	1,500	3	.....	.....	400	1,025	2,140
Wetzel	52	198,575	224	.....	15	63,092	275,508	429,903
Wirt	17	58,600	79	2	5	17,999	112,647	159,773
Wood	81	510,555	395	10	12	146,927	466,739	778,074
Wyoming (*a*)	.....	.....	.....	.....	.....	.....	.....	.....

a Returned as having no manufactures.

TABLE LII.—*Manufactures:* 1880—WEST VIRGINIA—Continued.

B.—WEST VIRGINIA, BY SELECTED INDUSTRIES.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
All industries	2,375	13,883,390	12,900	346	1,065	4,313,965	14,027,388	22,867,126
Carriages and wagons	8	251,000	217	.....	1	69,160	166,486	341,025
Clothing, men's	47	119,150	218	33	15	71,790	153,950	312,784
Cooperage	49	66,876	278	.....	52	100,767	152,806	306,147
Flouring- and grist-mill products.	472	1,777,297	742	1	1	140,508	3,384,797	3,942,818
Foundery and machine-shop products.	35	388,300	405	.....	1	158,474	168,921	466,862
Glass	4	550,522	615	100	231	311,650	208,064	748,500
Iron and steel	20	3,913,616	3,780	.....	341	1,541,816	3,484,625	6,054,032
Leather, curried	80	229,535	112	.....	.....	45,810	586,755	725,010
Leather, tanned	93	515,855	296	1	4	99,338	1,089,620	1,451,528
Liquors, malt	9	221,017	95	.....	.....	36,434	168,741	280,966
Lumber, planed	15	284,100	149	.....	2	58,566	237,800	353,550
Lumber, sawed	472	1,668,920	2,057	.....	126	459,945	1,375,372	2,431,857
Salt	15	910,500	702	.....	34	160,227	192,113	380,369
Slaughtering and meat-packing.	6	100,161	30	.....	.....	13,050	273,840	307,500
Tobacco, cigars, and cigarettes.	67	167,815	300	5	27	111,739	258,830	452,993
Woolen goods	55	293,170	226	96	31	44,161	245,843	356,986
All other industries	928	2,425,556	2,678	110	199	890,530	1,878,825	3,954,199

A.—WISCONSIN, BY TOTALS OF COUNTIES.

The State	7,674	73,821,802	48,255	6,241	2,613	18,814,917	85,796,178	128,255,480
COUNTIES.								
Adams	21	39,250	29	1	.....	4,717	57,236	73,570
Ashland	5	95,000	75	.....	8	15,960	65,990	101,725
Barron	28	103,810	79	7	4	16,778	114,142	172,117
Bayfield	4	32,500	30	.....	11	11,596	32,984	59,400
Brown	190	1,342,605	1,543	7	49	585,167	1,986,493	3,413,227
Buffalo	51	171,475	88	.....	9	23,768	155,645	226,250
Burnett	9	22,200	14	.....	2	2,291	14,920	22,376
Calumet	137	349,566	258	6	3	56,687	418,916	607,086
Chippewa	28	765,775	367	2	12	103,955	658,768	901,581
Clark	62	333,420	226	1	7	58,654	337,151	501,591
Columbia	143	460,890	278	41	2	100,216	525,887	845,952
Crawford	71	312,900	130	1	8	41,175	324,799	467,503
Dane	290	1,015,775	1,043	57	23	440,773	1,373,784	2,234,841
Dodge	285	2,374,532	1,041	69	23	306,007	1,884,318	2,636,731
Door	21	258,500	155	.....	20	43,212	276,452	392,187
Douglas	3	54,000	31	.....	.....	11,550	53,700	79,000
Dunn	79	602,775	595	10	43	193,764	741,026	1,164,713
Eau Claire	50	2,770,500	1,106	16	46	344,821	2,191,479	3,079,705
Fond du Lac	297	2,330,048	1,527	90	82	580,682	2,524,110	3,704,325
Grant	158	419,710	276	8	5	90,861	488,531	740,945
Green	191	484,925	382	44	5	129,308	584,421	887,772
Green Lake	85	347,250	300	47	5	107,508	499,527	714,194
Iowa	117	280,920	196	2	.....	56,503	424,141	615,114
Jackson	78	570,300	286	7	.....	74,593	556,014	774,833
Jefferson	238	1,290,955	988	64	90	355,667	1,741,003	2,548,068
Juneau	72	1,157,264	425	18	15	132,922	978,991	1,339,341
Kenosha	91	1,034,542	605	4	61	340,640	1,285,583	1,874,116
Kewaunee	79	246,470	220	3	13	55,167	321,283	467,086
La Crosse	133	3,148,860	1,204	61	72	493,392	2,208,816	3,184,447
La Fayette	85	173,326	140	1	.....	34,718	233,452	336,182

TABLE LII.—*Manufactures:* 1880—A.—WISCONSIN—Continued.

Counties.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Langlade	2	5,000	6	.....	.....	700	5,500	8,550
Lincoln	6	89,700	92	7	.....	28,436	196,000	262,470
Manitowoc	268	1,138,565	1,183	59	69	385,574	1,664,237	2,444,883
Marathon	127	1,404,865	861	32	36	283,081	1,260,926	1,856,934
Marinette	23	4,576,750	562	1	21	269,612	1,431,750	2,094,514
Marquette	55	249,550	105	19	5	31,657	206,235	290,951
Milwaukee	886	19,847,664	16,416	3,936	956	7,083,520	29,543,456	44,494,549
Monroe	76	385,750	244	15	10	73,395	488,223	687,687
Oconto	52	1,566,850	502	.....	7	142,801	896,813	1,247,563
Outagamie	157	1,644,428	934	100	105	424,147	1,851,355	2,869,832
Ozaukee	137	555,875	306	2	15	103,719	866,803	1,219,005
Pepin	25	61,375	30	.....	.....	8,306	89,635	122,185
Pierce	95	522,850	230	2	5	63,835	705,576	924,426
Polk	26	180,750	130	1	7	36,600	206,225	293,242
Portage	92	815,740	533	12	17	163,221	1,014,351	1,447,867
Price	4	33,100	21	.....	.....	8,406	54,325	75,200
Racine	224	4,728,608	3,157	195	209	1,438,836	3,901,619	7,138,447
Richland	111	237,975	182	8	3	43,830	348,844	509,533
Rock	255	2,129,831	1,698	388	121	793,715	2,690,761	4,347,333
Saint Croix	112	740,197	293	5	9	107,469	1,105,203	1,488,192
Sauk	157	540,164	375	24	8	110,232	809,330	1,158,887
Shawano	40	125,200	107	.....	1	22,636	147,432	212,882
Sheboygan	354	1,460,757	1,467	145	93	508,907	2,749,605	3,987,502
Taylor	10	152,850	95	6	5	31,450	207,015	290,500
Trempealeau	65	211,525	108	2	.....	29,478	369,723	462,415
Vernon	61	149,736	103	.....	1	28,370	223,656	311,614
Walworth	155	954,519	612	16	3	237,945	829,872	1,406,389
Washington	235	618,130	377	16	15	97,809	669,470	1,030,868
Waukesha	181	618,150	369	38	65	135,753	760,863	1,100,111
Waupaca	147	505,191	356	5	12	94,585	693,449	972,954
Waushara	54	124,600	74	15	.....	18,554	220,313	289,353
Winnebago	321	3,963,441	2,652	624	166	1,066,121	5,735,595	7,923,002
Wood	60	892,073	438	1	31	129,755	797,456	1,119,662

B.—WISCONSIN, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	7,674	73,821,802	48,255	6,241	2,613	18,814,917	85,796,178	128,255,480
Agricultural implements	108	3,747,095	1,999	.....	68	874,667	1,373,547	3,742,069
Boots and shoes	20	548,800	970	138	69	381,732	1,147,140	1,736,773
Bread and other bakery products.	82	223,401	219	30	36	87,040	471,177	697,289
Brick and tile	119	560,872	1,205	8	182	231,351	161,400	607,609
Carriage and wagon materials.	13	285,000	366	1	31	132,260	207,800	418,020
Carriages and wagons	156	2,771,212	2,481	20	86	1,135,443	2,403,688	4,350,454
Cheese and butter	414	613,643	497	62	2	98,920	1,036,357	1,501,087
Clothing, men's	212	2,380,403	2,475	2,637	56	1,208,752	2,847,660	4,883,797
Coffee and spices, roasted and ground.	10	258,621	127	19	15	90,550	695,042	935,640
Confectionery	9	149,254	117	32	21	45,798	386,162	488,446
Cooperage	198	429,160	1,292	.....	88	518,008	757,266	1,563,208
Cotton goods	1	200,000	61	149	56	67,209	194,556	328,389
Flouring- and grist-mill products.	705	9,199,735	2,418	.....	3	861,302	24,306,982	27,639,430
Foundery and machine-shop products.	129	2,502,252	2,542	6	61	1,168,257	1,910,106	3,965,652
Furniture	177	815,424	1,005	15	44	409,209	500,462	1,225,933

TABLE LII.—*Manufactures:* 1880—B.—WISCONSIN—Continued.

Mechanical and manufacturing industries.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Materials.	Products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*
Furniture, chairs	10	596,080	933	187	136	381,856	367,368	951,240
Hardware	10	128,150	199	1	37	79,110	112,760	270,445
Iron and steel	9	2,843,218	2,088	.....	65	1,004,931	3,830,667	6,580,391
Leather, curried	61	1,299,425	657	.....	1	281,412	3,769,914	4,496,729
Leather, tanned	73	1,697,825	815	.....	.....	337,211	3,367,360	4,324,433
Liquors, distilled	6	394,000	44	.....	.....	18,400	205,296	302,213
Liquors, malt	203	7,253,205	1,680	.....	.....	823,124	3,536,438	6,312,173
Lumber, planed	27	256,350	258	4	14	75,873	322,650	519,378
Lumber, sawed	704	19,824,059	7,748	250	467	2,257,218	12,471,473	17,952,347
Malt	3	140,000	31	.....	.....	15,070	278,500	316,000
Marble and stone work	72	297,710	366	.....	4	155,803	207,879	504,713
Matches	1	325,000	50	320	.....	56,200	454,800	532,932
Oil, linseed	3	166,000	30	.....	.....	14,480	253,400	320,400
Paper, not specified	13	943,000	401	165	20	235,955	773,150	1,277,736
Printing and publishing	82	729,800	827	93	88	429,777	337,290	1,093,510
Saddlery and harness	344	494,085	573	1	50	197,249	574,384	1,064,235
Sash, doors, and blinds	83	1,616,700	1,837	17	128	636,281	1,715,145	2,975,687
Shipbuilding	24	208,700	474	.....	.....	223,573	268,303	576,305
Slaughtering and meat-packing.	13	959,000	1,003	.....	29	203,805	5,898,483	6,533,926
Soap and candles	15	173,500	89	6	12	38,965	272,100	396,740
Straw goods	1	85,000	125	275	.....	50,000	125,000	250,000
Tinware, copperware, and sheet-iron ware.	279	533,075	556	2	12	226,628	498,195	996,608
Tobacco, chewing, smoking, and snuff.	3	331,000	200	6	20	78,500	786,645	978,281
Tobacco, cigars, and cigarettes.	152	424,750	1,074	44	95	445,504	575,377	1,346,925
Trunks and valises	8	249,500	371	.....	60	139,220	231,100	463,600
Woolen goods	48	1,349,954	426	378	43	214,993	892,793	1,480,069
All other industries	3,074	5,817,844	7,626	1,375	514	2,883,281	5,270,363	11,354,668

A.—WYOMING TERRITORY, BY TOTALS OF COUNTIES.

The Territory	57	364,673	380	.....	11	187,798	601,214	898,494
COUNTIES.								
Albany	14	251,203	223	.....	10	101,430	459,912	591,880
Carbon	9	19,600	29	.....	.....	8,600	24,492	41,955
Crook (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Johnson (*a*)	.....	.....	.....	.....	.....	.....	.....	.....
Laramie	28	77,870	117	.....	1	76,787	109,457	253,356
Sweetwater	6	16,000	11	.....	.....	981	7,353	11,303
Uinta (*a*)	.....	.....	.....	.....	.....	.....	.....	.....

a Returned as having no manufactures.

B.—WYOMING TERRITORY, BY SELECTED INDUSTRIES.

MECHANICAL AND MANUFACTURING INDUSTRIES.								
All industries	57	364,673	380	.....	11	187,798	601,214	898,494
Iron and steel	1	212,603	174	.....	10	79,650	463,568	491,345
All other industries	56	152,070	206	.....	1	108,148	197,646	407,149

TABLE LIII.—*Manufactures of 20 principal cities:* 1880.

[See remarks on pages 926 and 927.]

CITY OF BALTIMORE.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
	All industries	3,683	38,586,773
1	Agricultural implements	5	106,000
2	Awnings and tents	3	4,600
3	Bags, paper	3	78,500
4	Baking and yeast powders	4	70,600
5	Baskets, rattan and willow ware	16	5,110
6	Blacksmithing	116	127,520
7	Bookbinding and blank-book making	17	91,756
8	Boot and shoe uppers	11	7,700
9	Boots and shoes, including custom work and repairing	623	865,337
10	Boxes, cigar	13	19,325
11	Boxes, fancy and paper	8	34,020
12	Boxes, wooden, packing	13	139,012
13	Brass castings	10	19,500
14	Bread and other bakery products	316	832,372
15	Brick and tile	28	640,000
16	Brooms and brushes	28	83,115
17	Carpentering	114	1,107,800
18	Carpets, rag	17	23,525
19	Carriages and sleds, children's	3	15,600
20	Carriages and wagons	37	223,700
21	Clothing, men's	188	3,848,851
22	Clothing, women's	27	136,250
23	Coffee and spices, roasted and ground	13	124,750
24	Coffins, burial cases, and undertakers' goods	52	91,275
25	Confectionery	53	339,765
26	Cooperage	43	220,860
27	Coppersmithing	8	20,200
28	Cotton goods	3	699,000
29	Cutlery and edge tools	10	22,550
30	Dentistry, mechanical	14	12,260
31	Drugs and chemicals	17	652,300
32	Dyeing and cleaning	26	40,785
33	Electroplating	5	17,525
34	Engraving and die-sinking	7	1,925
35	Engraving, wood	4	1,250
36	Fertilizers	18	3,241,370
37	Files	4	31,850
38	Flavoring extracts	5	8,200
39	Flouring- and grist-mill products	8	562,000
40	Food preparations	3	4,650
41	Foundery and machine-shop products	63	2,240,004
42	Fruits and vegetables, canned and preserved	41	1,959,100
43	Furniture	68	721,552
44	Furniture, chairs	3	150,250
45	Furs, dressed	4	30,000
46	Gas machines and meters	5	62,000
47	Glass	7	406,000
48	Gold and silver leaf and foil	3	6,000
49	Grease and tallow	6	101,500
50	Hairwork	11	12,250
51	Hardware	5	18,100
52	Hats and caps, not including wool hats	6	26,900
53	Instruments, professional and scientific	6	49,000
54	Iron and steel	10	1,632,125
55	Iron railing, wrought	6	5,900
56	Jewelry	4	11,300
57	Kindling wood	11	36,925
58	Leather, curried	18	115,017
59	Leather, tanned	17	134,768
60	Liquors, malt	21	1,143,490

TABLE LIII.—*Manufactures of 20 principal cities:* 1880.

[See remarks on pages 926 and 927.]

CITY OF BALTIMORE.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
34,086	18,137	4,115	*Dollars.* 15,117,489	*Dollars.* 47,974,297	*Dollars.* 78,417,304	
118	.....	15	49,250	101,000	229,550	1
11	30	.....	7,900	16,800	36,100	2
24	22	4	17,704	152,270	236,700	3
12	14	.....	16,000	111,040	167,808	4
16	.....	2	5,168	5,335	18,826	5
270	.....	6	123,894	98,225	348,835	6
99	83	25	61,593	59,304	163,988	7
27	18	1	11,755	17,375	37,675	8
2,117	507	70	939,861	1,632,492	3,411,736	9
22	19	9	15,163	28,883	58,822	10
28	169	10	32,617	82,883	140,625	11
318	.....	44	147,077	300,573	531,000	12
32	.....	1	16,279	33,741	71,101	13
625	73	58	261,463	1,449,459	2,172,062	14
1,460	.....	69	322,839	156,648	626,813	15
210	22	32	74,758	156,978	293,619	16
1,226	.....	9	674,964	1,906,239	3,216,028	17
28	2	4	10,521	23,078	48,506	18
31	2	3	10,740	33,500	53,080	19
364	.....	8	147,201	155,573	397,849	20
5,184	5,915	58	1,822,501	6,013,863	9,446,793	21
22	482	23	84,998	265,192	469,718	22
46	23	.....	24,503	221,108	299,874	23
73	.....	1	31,984	73,103	184,423	24
222	87	13	110,718	781,752	1,108,038	25
364	.....	7	146,382	325,432	560,696	26
21	.....	.....	11,900	15,600	32,250	27
209	225	108	80,738	182,283	327,366	28
23	.....	1	9,200	11,156	30,596	29
11	1	1	6,323	4,313	32,788	30
189	47	.....	78,144	529,485	873,125	31
31	19	.....	19,031	11,060	58,662	32
29	.....	2	10,166	7,350	36,600	33
6	.....	.....	3,300	1,450	14,059	34
4	.....	.....	1,800	905	6,900	35
655	.....	6	254,055	2,689,223	4,287,398	36
26	.....	16	15,206	9,850	31,330	37
15	4	.....	5,274	16,360	31,100	38
95	.....	.....	46,118	1,173,988	1,327,584	39
12	2	1	2,415	16,000	26,000	40
2,643	.....	33	1,333,841	1,887,421	3,939,717	41
2,324	3,753	1,846	815,013	3,854,550	5,201,268	42
941	15	22	401,065	772,233	1,512,634	43
64	30	2	47,200	130,200	278,500	44
6	17	.....	8,125	10,635	33,913	45
82	1	17	42,748	118,250	206,620	46
524	.....	88	234,254	239,682	587,000	47
16	29	2	10,500	26,000	49,200	48
22	.....	.....	10,254	213,449	258,021	49
4	29	.....	5,654	16,575	34,298	50
31	.....	4	13,844	14,100	37,504	51
22	33	.....	13,415	33,000	63,380	52
25	2	4	18,244	3,850	31,600	53
1,343	.....	65	532,579	1,803,209	2,672,940	54
19	.....	.....	8,200	13,000	32,800	55
16	1	3	9,744	12,860	33,100	56
42	.....	22	18,256	36,245	72,296	57
74	.....	1	29,117	310,527	405,317	58
93	9	4	39,379	206,654	287,980	59
203	.....	.....	97,851	488,752	888,644	60

TABLE LIII.—*Manufactures of* 20 *principal cities:* 1880—BALTIMORE—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
61	Lock- and gun-smithing	20	28,100
62	Looking-glass and picture frames	31	118,550
63	Lumber, planed	3	36,000
64	Malt	6	705,000
65	Mantels, slate, marble, and marbleized	3	23,000
66	Marble and stone work	40	651,701
67	Masonry, brick and stone	47	203,600
68	Mattresses and spring beds	5	6,825
69	Millinery and lace goods	11	79,100
70	Millstones	3	34,700
71	Mineral and soda waters	17	66,900
72	Mixed textiles	3	4,900
73	Models and patterns	3	1,450
74	Musical instruments and materials (not specified)	6	4,900
75	Musical instruments, organs, and materials	3	16,250
76	Musical instruments, pianos, and materials	4	638,382
77	Painting and paperhanging	89	99,505
78	Paints	10	367,200
79	Patent medicines and compounds	33	222,650
80	Perfumery and cosmetics	5	23,410
81	Photographing	25	70,150
82	Pickles, preserves, and sauces	6	21,850
83	Plated and britannia ware	3	19,200
84	Plumbing and gasfitting	89	198,185
85	Printing and publishing	47	1,954,200
86	Pumps, not including steam pumps	9	8,475
87	Refrigerators	3	16,200
88	Roofing and roofing materials	6	89,625
89	Saddlery and harness	76	304,625
90	Sash, doors, and blinds	9	354,525
91	Saws	3	6,500
92	Scales and balances	3	9,200
93	Sewing machines and attachments	6	20,500
94	Shipbuilding	62	1,493,275
95	Shirts	38	313,930
96	Show-cases	5	14,300
97	Silk and silk goods	4	20,900
98	Silversmithing	4	98,703
99	Slaughtering and meat-packing, not including retail butchering establishments	6	705,000
100	Soap and candles	7	250,432
101	Stencils and brands	3	2,800
102	Stone- and earthen-ware	6	125,700
103	Straw goods	3	160,800
104	Sugar and molasses, refined	3	260,000
105	Surgical appliances	3	5,700
106	Tinware, copperware, and sheet-iron ware	154	1,071,360
107	Tobacco, chewing, smoking, and snuff	10	602,600
108	Tobacco, cigars and cigarettes	329	568,282
109	Trunks and valises	15	24,150
110	Umbrellas and canes	3	8,550
111	Upholstering	19	22,725
112	Vinegar	8	47,750
113	Watch and clock repairing	23	18,500
114	Wheelwrighting	44	77,445
115	Whips	3	21,300
116	Window blinds and shades	3	5,500
117	Wirework	4	33,500
118	Wood, turned and carved	8	2,660
119	Miscellaneous industries (*a*)	81	2,790,664

a The 81 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: artificial limbs; babbitt metal and solder; bags, other than paper; bells; belting and hose, leather; billiard tables and materials; blacking; bluing; bridges; carpets, other than rag; carriage and wagon materials; cars, railroad, street, and repairs; cleansing and polishing preparations; cloth-finishing; cork cutting; cordage and twine; corsets; explosives and fireworks; fancy articles; fire extinguishers, chemical; flags and banners; furnishing goods, men's; glass, cut, stained, and ornamented; hand-knit goods; hosiery and knit goods; iron bolts, nuts, washers, and rivets; iron forgings; iron nails and

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—BALTIMORE—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
35	.....	1	15, 932	12, 143	42, 286	61
271	70	25	98, 653	160, 492	402, 423	62
30	.....	.....	15, 500	33, 000	60, 700	63
98	.....	.....	52, 060	547, 000	752, 000	64
19	.....	2	8, 388	10, 784	30, 205	65
815	.....	10	323, 480	447, 030	954, 285	66
655	.....	1	266, 889	399, 777	767, 946	67
10	2	.....	4, 442	32, 443	44, 125	68
24	133	41	35, 896	148, 240	229, 460	69
24	.....	.....	11, 293	14, 242	38, 319	70
84	.....	.....	33, 753	108, 035	199, 607	71
6	11	5	4, 000	7, 850	20, 240	72
5	.....	.....	2, 050	1, 700	8, 100	73
4	.....	.....	1, 395	1, 975	7, 400	74
21	.....	2	8, 000	24, 810	41, 000	75
380	.....	5	200, 988	157, 699	534, 099	76
265	.....	8	144, 861	168, 898	453, 943	77
93	.....	7	39, 941	192, 185	338, 658	78
103	109	45	68, 467	438, 027	646, 493	79
11	27	1	7, 902	15, 251	42, 499	80
51	15	2	25, 005	22, 426	95, 228	81
7	14	6	5, 532	48, 250	71, 300	82
43	.....	.....	20, 780	18, 500	52, 000	83
194	.....	9	82, 042	176, 186	412, 886	84
671	21	99	409, 251	560, 657	1, 374, 168	85
16	.....	1	8, 460	14, 550	39, 050	86
24	.....	.....	7, 099	13, 040	27, 990	87
46	.....	1	16, 769	30, 450	78, 917	88
461	2	81	223, 187	388, 092	857, 810	89
359	.....	34	190, 111	334, 113	681, 755	90
8	.....	.....	2, 321	2, 744	10, 281	91
7	.....	.....	4, 181	2, 819	11, 077	92
22	1	2	11, 620	9, 450	35, 595	93
887	.....	.....	524, 873	707, 026	1, 445, 080	94
328	1, 284	84	307, 867	425, 947	949, 524	95
38	.....	1	15, 785	27, 389	74, 320	96
12	56	14	11, 000	15, 760	35, 415	97
38	.....	.....	26, 979	49, 542	112, 061	98
194	.....	.....	85, 300	2, 559, 662	2, 742, 645	99
77	.....	6	43, 145	215, 238	323, 350	100
6	.....	1	3, 526	2, 200	9, 500	101
194	10	62	115, 004	74, 923	254, 594	102
107	422	15	57, 761	264, 507	362, 982	103
106	.....	.....	31, 000	756, 703	840, 986	104
35	5	.....	17, 000	15, 600	61, 500	105
1, 231	124	298	569, 642	2, 250, 500	3, 371, 081	106
187	740	128	165, 107	1, 152, 906	1, 531, 424	107
1, 050	115	84	462, 099	617, 585	1, 551, 014	108
51	.....	4	19, 228	36, 810	75, 466	109
4	6	.....	2, 080	8, 500	17, 400	110
42	7	2	16, 820	51, 781	98, 539	111
17	1	1	7, 012	58, 112	87, 012	112
25	.....	4	14, 883	6, 454	41, 415	113
148	.....	3	54, 057	54, 013	166, 325	114
31	6	1	13, 936	25, 800	52, 925	115
24	.....	.....	3, 200	11, 500	18, 900	116
42	.....	2	24, 000	26, 000	77, 000	117
17	.....	4	8, 203	9, 020	26, 436	118
1, 564	271	293	766, 948	4, 945, 900	6, 655, 810	119

spikes, cut and wrought; iron work, architectural and ornamental; ivory and bone work; japanning; kaolin and ground earths; lamps and reflectors; lard, refined; lasts; lead, bar, pipe, sheet, and shot; leather, dressed skins; lightning-rods; lime; liquors, distilled; lithographing; lumber, sawed; oil, illuminating, not including petroleum refining; oil, lard; oleomargarine; pipes, tobacco; printing materials; regalia and society banners and emblems; rubber and elastic goods; safes, doors, and vaults, fire-proof; shoddy; spectacles and eyeglasses; sporting goods; stationery goods; telegraph and telephone apparatus; toys and games; type founding; upholstering materials; and wooden ware.

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF BOSTON.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
	All industries	3,665	47,348,384
1	Artificial feathers and flowers	4	20,000
2	Awnings and tents	4	16,200
3	Baking and yeast powders	4	254,000
4	Belting and hose, leather	3	40,000
5	Billiard tables and materials	4	47,200
6	Blacking	6	63,500
7	Blacksmithing	155	218,275
8	Bookbinding and blank-book making	46	410,328
9	Boot and shoe cut stock	13	62,500
10	Boot and shoe findings	11	117,700
11	Boots and shoes, including custom work and repairing	83	348,775
12	Boxes, fancy and paper	18	1:9,900
13	Boxes, wooden, packing	5	18,500
14	Brass castings	26	222,400
15	Bread and other bakery products	113	292,950
16	Bridges	9	53,000
17	Brooms and brushes	16	290,300
18	Carpentering	305	818,605
19	Carriage and wagon materials	3	52,000
20	Carriages and wagons	23	375,000
21	Cars, railroad, street, and repairs	3	100,000
22	Clothing, men's	222	4,200,193
23	Clothing, women's	24	319,900
24	Coffee and spices, roasted and ground	12	289,000
25	Coffins, burial cases, and undertakers' goods	9	27,300
26	Confectionery	33	251,475
27	Cooperage	21	79,467
28	Coppersmithing	8	107,200
29	Cordage and twine	7	706,550
30	Cork cutting	4	32,434
31	Corsets	5	45,000
32	Cotton goods	4	143,000
33	Cutlery and edge tools	11	34,600
34	Drugs and chemicals	11	200,500
35	Dyeing and cleaning	20	41,300
36	Electrical apparatus and supplies	9	162,500
37	Electroplating	19	113,450
38	Engraving and die-sinking	22	53,150
39	Engraving, steel	5	7,600
40	Engraving, wood	11	20,135
41	Fancy articles	6	17,500
42	Fertilizers	5	568,000
43	Files	7	57,200
44	Flavoring extracts	6	65,500
45	Flouring- and grist-mill products	8	510,000
46	Foundery and machine-shop products	134	4,824,833
47	Fruits and vegetables, canned and preserved	8	242,700
48	Furnishing goods, men's	15	69,900
49	Furniture	123	1,388,875
50	Furniture, chairs	7	70,000
51	Furs, dressed	13	64,547
52	Glass, cut, stained, and ornamented	10	55,650
53	Gold and silver leaf and foil	5	19,300
54	Grease and tallow	4	392,000
55	Hairwork	13	28,600
56	Hand-stamps	5	9,500
57	Hardware	11	117,850
58	Hardware, saddlery	3	26,000
59	Hats and caps, not including wool hats	27	106,200
60	Housefurnishing goods	5	20,700

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF BOSTON.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
39, 810	18, 150	1, 253	*Dollars.* 24, 924, 009	*Dollars.* 81, 688, 160	*Dollars.* 130, 531, 993	
16	162	.....	25, 540	21, 350	124, 900	1
12	40	1	21, 180	43, 840	77, 150	2
40	36	8	25, 520	160, 230	305, 230	3
28	.....	.....	16, 383	160, 000	204, 000	4
43	.....	.....	20, 000	42, 700	88, 300	5
38	44	.....	28, 080	204, 000	324, 400	6
576	.....	7	278, 741	192, 544	665, 525	7
423	596	31	402, 082	359, 790	986, 416	8
57	209	8	61, 075	243, 600	352, 200	9
104	71	15	63, 012	258, 975	389, 883	10
1, 015	306	29	514, 356	1, 158, 366	1, 928, 740	11
80	442	16	115, 432	176, 937	380, 062	12
46	.....	1	16, 507	50, 998	80, 900	13
244	2	4	121, 532	198, 203	410, 553	14
484	128	18	265, 927	946, 803	1, 471, 582	15
138	.....	.....	61, 620	206, 300	325, 500	16
246	167	5	168, 321	491, 392	828, 290	17
2, 419	.....	14	1, 163, 648	1, 841, 710	3, 748, 358	18
23	.....	.....	15, 363	70, 000	110, 770	19
419	1	.....	222, 567	259, 891	632, 085	20
100	.....	.....	45, 329	61, 399	127, 225	21
2, 246	6, 844	190	3, 418, 126	9, 844, 108	16, 157, 892	22
229	1, 740	17	423, 573	1, 028, 135	1, 808, 520	23
88	33	.....	70, 089	1, 243, 971	1, 448, 869	24
33	.....	.....	18, 956	18, 625	52, 950	25
275	255	5	193, 436	1, 059, 225	1, 606, 214	26
119	.....	.....	51, 532	86, 374	188, 560	27
141	.....	5	85, 350	115, 800	249, 100	28
343	108	19	134, 995	774, 925	1, 124, 400	29
34	16	6	15, 749	62, 467	106, 125	30
19	242	10	59, 240	105, 000	226, 600	31
33	81	80	54, 200	161, 000	275, 000	32
41	.....	1	19, 198	17, 670	58, 500	33
104	10	1	51, 584	321, 132	450, 961	34
71	141	3	55, 782	27, 360	135, 371	35
86	1	1	48, 308	44, 506	119, 289	36
91	4	2	41, 241	53, 990	147, 550	37
137	33	4	83, 850	68, 302	224, 031	38
11	3	2	6, 950	3, 040	18, 700	39
62	.....	2	40, 125	4, 250	83, 975	40
26	18	11	11, 580	23, 100	48, 200	41
254	.....	.....	136, 427	805, 490	1, 231, 170	42
64	4	.....	23, 448	11, 700	57, 133	43
22	30	2	19, 960	172, 400	266, 500	44
69	.....	.....	40, 792	1, 009, 010	1, 101, 000	45
3, 813	13	19	2, 068, 609	2, 739, 690	6, 234, 775	46
97	181	39	83, 997	496, 250	681, 188	47
25	152	5	47, 300	219, 250	377, 925	48
2, 269	70	26	1, 078, 199	2, 011, 807	3, 867, 917	49
102	2	.....	49, 261	170, 279	257, 238	50
42	73	2	31, 016	179, 177	263, 250	51
77	12	3	48, 511	34, 630	114, 340	52
31	16	5	20, 085	65, 900	96, 175	53
98	.....	2	54, 880	436, 210	564, 868	54
9	65	.....	20, 441	33, 360	73, 400	55
12	.....	.....	4, 867	8, 750	20, 356	56
46	4	1	22, 575	22, 430	79, 900	57
39	1	2	17, 720	9, 500	36, 300	58
222	167	13	146, 252	196, 592	441, 276	59
25	10	4	11, 575	22, 750	46, 200	60

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—BOSTON—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
61	Hosiery and knit goods	9	156,800
62	Instruments, professional and scientific	12	81,000
63	Iron and steel	5	1,624,408
64	Iron bolts, nuts, washers, and rivets	3	30,000
65	Iron forgings	3	420,000
66	Japanning	6	4,600
67	Jewelry	28	193,100
68	Kindling wood	3	19,000
69	Labels and tags	5	288,000
70	Lapidary work	4	39,000
71	Lasts	3	10,500
72	Leather, curried	20	420,800
73	Leather, dressed skins	8	315,500
74	Liquors, distilled	3	245,000
75	Liquors, malt	18	2,874,400
76	Lithographing	9	487,550
77	Lock- and gun-smithing	20	29,000
78	Looking-glass and picture frames	45	123,700
79	Lumber, planed	11	372,500
80	Marble and stone work	43	696,600
81	Masonry, brick and stone	101	284,725
82	Mattresses and spring beds	19	181,597
83	Millinery and lace goods	4	38,500
84	Mineral and soda waters	8	74,600
85	Mixed textiles	5	600,000
86	Models and patterns	22	24,850
87	Musical instruments and materials (not specified)	6	28,200
88	Musical instruments, organs, and materials	8	445,366
89	Musical instruments, pianos, and materials	23	1,673,000
90	Oil, illuminating, not including petroleum refining	3	90,000
91	Painting and paperhanging	230	256,828
92	Paints	6	241,500
93	Patent medicines and compounds	21	179,650
94	Perfumery and cosmetics	7	21,500
95	Photographing	41	103,900
96	Pickles, preserves, and sauces	4	12,500
97	Plumbing and gasfitting	117	232,550
98	Pocket-books	3	2,400
99	Printing and publishing	145	2,496,535
100	Printing materials	4	15,300
101	Refrigerators	5	52,350
102	Roofing and roofing materials	41	173,625
103	Rubber and elastic goods	10	1,095,000
104	Saddlery and harness	69	175,300
105	Sash, doors, and blinds	12	73,800
106	Scales and balances	3	49,000
107	Sewing machines and attachments	3	243,000
108	Shipbuilding	116	1,451,850
109	Shirts	7	69,300
110	Show-cases	5	10,800
111	Silk and silk goods	9	132,800
112	Silversmithing	5	4,250
113	Slaughtering and meat-packing, not including retail butchering establishments.	21	918,000
114	Soap and candles	11	161,400
115	Soda-water apparatus	3	95,000
116	Spectacles and eyeglasses	7	8,200
117	Sporting goods	3	8,000
118	Springs, steel, car and carriage	5	4,450
119	Stationery goods	10	48,800
120	Steam fittings and heating apparatus	9	269,500
121	Stencils and brands	12	28,500
122	Stereotyping and electrotyping	5	38,000
123	Stone- and earthen-ware	5	58,000
124	Straw goods	3	41,000
125	Sugar and molasses, refined	4	1,629,500

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—BOSTON—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
94	1,370	53	101,275	291,825	484,183	61
93	7	3	53,446	20,400	123,540	62
1,108	.....	12	444,095	1,552,002	2,189,987	63
34	4	1	21,060	17,000	54,000	64
149	95	2	107,779	250,947	502,970	65
27	.....	2	12,890	4,290	25,060	66
277	94	7	133,382	228,815	481,722	67
52	.....	6	19,085	24,223	58,637	68
74	58	.....	52,210	338,725	450,325	69
33	3	3	19,700	56,575	102,200	70
14	.....	.....	7,820	3,600	18,100	71
534	.....	8	240,250	2,035,382	2,520,792	72
200	.....	2	82,753	439,840	579,350	73
75	.....	2	35,000	415,500	596,500	74
1,014	.....	.....	486,448	2,461,159	4,426,264	75
576	98	22	336,327	437,360	989,020	76
50	.....	1	21,019	22,865	66,560	77
267	8	13	147,775	268,895	533,097	78
233	.....	5	109,754	261,500	480,810	79
1,033	.....	.....	387,113	674,141	1,442,861	80
1,178	.....	.....	515,208	612,351	1,392,231	81
169	123	12	124,063	460,722	677,792	82
15	109	20	33,300	224,900	317,000	83
90	.....	1	51,340	137,084	239,644	84
106	462	26	176,010	581,472	909,000	85
84	2	1	39,564	13,640	88,455	86
39	1	.....	19,550	7,307	36,000	87
512	8	.....	319,804	414,090	904,732	88
1,107	11	3	693,867	943,069	2,166,966	89
11	.....	.....	6,500	300,000	345,000	90
1,091	2	7	490,361	391,689	1,204,861	91
69	2	2	38,830	281,400	390,900	92
67	56	2	49,647	345,850	771,631	93
23	17	.....	12,690	69,550	126,000	94
121	59	6	92,581	66,047	231,935	95
9	10	2	6,530	34,500	78,000	96
568	3	18	291,156	467,607	973,588	97
5	1	1	1,650	2,550	7,000	98
2,342	436	98	1,783,913	1,955,668	5,460,518	99
12	1	2	8,460	12,000	28,050	100
64	.....	.....	22,450	44,400	87,700	101
238	.....	.....	109,142	249,705	465,567	102
407	506	10	362,106	1,304,347	2,095,460	103
390	21	7	164,357	248,052	550,558	104
86	3	4	39,625	124,480	195,045	105
39	1	4	23,770	11,440	51,613	106
41	.....	.....	29,358	36,870	102,700	107
841	.....	.....	536,458	724,422	1,479,148	108
34	159	3	44,626	206,800	329,800	109
17	.....	1	8,900	10,460	29,980	110
81	262	37	106,845	222,815	443,425	111
11	2	.....	5,811	4,176	16,235	112
211	.....	.....	153,263	6,509,139	7,096,777	113
59	14	.....	33,739	124,600	208,633	114
189	5	6	73,335	279,638	487,306	115
18	2	1	11,500	4,630	25,730	116
8	18	.....	5,920	2,950	10,800	117
13	.....	.....	2,750	9,500	18,509	118
73	11	3	41,635	103,870	207,050	119
186	.....	17	97,989	228,918	398,780	120
28	3	4	16,660	14,525	53,200	122
96	2	.....	59,021	34,908	115,630	123
72	6	4	33,450	23,735	97,900	121
33	125	5	51,227	122,974	220,295	124
395	.....	.....	202,061	15,544,084	16,518,760	125

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—BOSTON—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
126	Surgical appliances	5	30,500
127	Taxidermy	3	1,800
128	Tinware, copperware, and sheet-iron ware	94	322,280
129	Tobacco, cigars, and cigarettes	88	135,556
130	Trunks and valises	20	104,500
131	Type founding	3	72,200
132	Umbrellas and canes	3	17,600
133	Upholstering	41	122,757
134	Varnish	3	65,000
135	Watch and clock repairing	6	6,700
136	Watch cases	5	65,000
137	Whalebone and rattan	4	24,500
138	Wheelwrighting	56	90,225
139	Window blinds and shades	12	19,250
140	Wirework	15	69,400
141	Wooden ware	3	6,000
142	Wood, turned and carved	44	327,960
143	Miscellaneous industries (*a*)	116	4,142,030

a The 116 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: agricultural implements; artificial limbs; bags, other than paper; bags, paper; baskets, rattan and willow ware; belting and hose, linen; boot and shoe uppers; boxes, cigar; brick and tile; buttons; carpets, other than rag; carpets, rag; carpets, wood; carriages and sleds, children's; cement; cheese and butter; chocolate; cleansing and polishing preparations; clocks; cloth-finishing; collars and cuffs, paper; cordials and sirups; cotton-ties; drain and sewer pipe; dyeing and finishing textiles; dyestuffs and extracts; engravers' materials; explosives and fireworks; fire-arms; food preparations; foundery supplies; gas and lamp fixtures; gas machines and meters; glass; glue; graphite; grind-

CITY OF BROOKLYN.

	All industries	5,201	61,646,749
1	Artificial feathers and flowers	9	11,550
2	Awnings and tents	12	7,200
3	Bags, paper	3	2,200
4	Baskets, rattan and willow ware	12	10,025
5	Blacksmithing	222	194,573
6	Bookbinding and blank-book making	4	4,500
7	Boots and shoes, including custom work and repairing	546	311,835
8	Boxes, cigar	3	28,000
9	Boxes, fancy and paper	12	49,050
10	Boxes, wooden, packing	7	998,500
11	Brass castings	18	151,350
12	Brass ware	7	38,800
13	Bread and other bakery products	532	1,020,375
14	Brick and tile	6	113,000
15	Brooms and brushes	33	69,375
16	Buttons	5	33,000
17	Carpentering	300	1,229,678
18	Carpets, rag	13	2,850
19	Carriages and wagons	90	484,350
20	Cars, railroad, street, and repairs	7	61,774
21	Cleansing and polishing preparations	6	112,000
22	Clothing, men's	328	952,445
23	Clothing, women's	25	157,425
24	Coffee and spices, roasted and ground	5	70,000
25	Coffins, burial cases, and undertakers' goods	3	47,000
26	Confectionery	104	236,275
27	Cooperage	42	913,700
28	Coppersmithing	10	18,900
29	Cordage and twine	12	2,566,700
30	Cork cutting	8	102,800

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—BOSTON—Continued.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
30	19	2	28, 300	43, 000	106, 000	126
7	2	.....	2, 900	5, 100	14, 000	127
520	23	16	258, 033	531, 861	1, 055, 472	128
333	103	15	190, 976	253, 413	524, 283	129
158	6	.....	82, 665	235, 503	400. 708	130
75	56	5	65, 500	55, 500	162, 000	131
7	15	.....	8, 811	28, 425	50, 046	132
179	45	3	105, 103	210, 267	390, 848	133
16	.....	.....	9, 600	176, 000	235, 000	134
12	.....	.....	5, 504	1, 162	12, 000	135
103	16	3	86, 142	274,480	427, 371	136
31	21	2	19, 115	41, 044	69, 417	137
218	.....	.....	98, 735	73, 477	232, 965	138
46	11	.....	18, 140	40, 760	76, 345	139
107	16	11	55, 106	104, 771	214, 567	140
21	.....	.....	8, 950	13, 800	33, 500	141
441	1	8	208, 829	433, 855	791, 355	142
2, 265	1, 103	100	1, 399, 393	4, 990, 581	8, 041, 397	143

stones; hat and cap materials; hones and whetstones; ink; iron doors and shutters; iron nails and spikes, cut and wrought; iron work, architectural and ornamental; jewelry and instrument cases; lamps and reflectors; lard, refined; lead, bar, pipe, sheet, and shot; leather goods; lime; lumber, sawed; malt; matches; millstones; mirrors; needles and pins; nets and seines; oilcloth, floor; oleomargarine; pens, gold; photographic apparatus; plated and britannia ware; regalias and society banners and emblems; rules, ivory and wood; safes, doors, and vaults, fire-proof; saws; shoddy; silverware; smelting and refining; starch; telegraph and telephone apparatus; terra-cotta ware; tobacco, chewing, smoking, and snuff; toys and games; tools; veneering; vinegar; washing-machines and clothes-wringers; watches; and woolen goods.

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37, 105	7, 020	3, 462	22, 487, 457	129, 085, 091	177, 223, 142	
2	106	5	16, 170	16, 321	45, 240	1
15	7	.....	9, 319	14, 559	35, 843	2
.....	5	.....	1, 420	8, 390	12, 765	3
24	3	12	11, 033	14, 206	35, 238	4
371	.....	4	232, 262	190, 655	622, 780	5
10	3	.....	7, 008	3, 030	17, 691	6
944	216	34	502, 834	852, 168	1, 819, 993	7
49	6	2	27, 083	42, 100	77, 700	8
50	88	8	45, 089	79, 066	158, 826	9
540	.....	62	243, 812	1, 286, 630	1, 767, 640	10
117	.....	4	59, 540	244, 747	364, 875	11
62	25	15	33, 122	57, 843	112, 759	12
1, 017	7	16	596, 660	3, 695, 720	5, 594, 975	13
134	.....	1	72, 774	69, 326	201, 084	14
134	47	29	59, 372	96, 074	207, 792	15
23	120	15	30, 537	16, 363	54, 813	16
1, 896	.....	2	1, 325, 540	2, 967, 855	5, 124, 407	17
14	2	.....	4, 543	11, 333	21, 741	18
484	.....	8	289, 155	328, 425	829, 492	19
92	.....	.....	65, 329	59, 266	137, 055	20
44	1	4	24, 935	36, 919	114, 750	21
973	274	13	686, 311	1, 571, 974	2, 937, 262	22
44	561	10	189, 480	390, 223	711, 249	23
42	.....	1	28, 998	183, 342	280, 874	24
41	.....	.....	22, 362	24, 503	63, 269	25
165	22	4	79, 477	501, 766	822, 843	26
1, 111	5	242	595, 010	1, 583, 987	2, 512, 741	27
27	.....	.....	11, 365	24, 455	47, 629	28
665	503	361	380, 223	3, 206, 319	3, 915, 566	29
50	31	16	31, 220	100, 443	161, 853	30

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—BROOKLYN—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
31	Cutlery and edge tools	5	2,600
32	Dentistry, mechanical	67	59,200
33	Drugs and chemicals	38	3,449,650
34	Dyeing and cleaning	20	23,250
35	Electroplating	6	10,650
36	Fancy articles	14	81,400
37	Fertilizers	3	545,000
38	Files	12	25,750
39	Flouring- and grist-mill products	9	662,500
40	Food preparations	9	155,250
41	Foundery and machine-shop products	121	4,079,250
42	Furniture	88	405,680
43	Furniture, chairs	11	41,110
44	Furs, dressed	22	416,265
45	Glass	12	930,600
46	Glass, cut, stained, and ornamented	8	22,150
47	Gold and silver leaf and foil	3	4,500
48	Grease and tallow	3	51,070
49	Hairwork	22	44,150
50	Hardware	34	432,550
51	Hats and caps, not including wool hats	32	533,915
52	Ink	3	220,000
53	Instruments, professional and scientific	12	116,200
54	Iron bolts, nuts, washers, and rivets	12	114,899
55	Iron railing, wrought	15	73,147
56	Ivory and bone work	8	10,842
57	Jute and jute goods	3	390,000
58	Kindling wood	28	211,900
59	Leather, dressed skins	20	691,650
60	Lime and cement	7	77,000
61	Liquors, malt	41	3,838,500
62	Lock- and gun-smithing	28	27,100
63	Looking-glass and picture frames	17	32,050
64	Lumber, planed	12	676,500
65	Malt	4	262,000
66	Marble and stone work	92	738,300
67	Masonry, brick and stone	75	123,295
68	Mats and matting	7	193,650
69	Mattresses and spring beds	7	31,100
70	Millinery and lace goods	13	140,700
71	Mineral and soda waters	21	107,800
72	Mixed textiles	11	338,300
73	Models and patterns	9	11,250
74	Musical instruments and materials (not specified)	9	13,500
75	Musical instruments, organs, and materials	4	7,700
76	Musical instruments, pianos, and materials	11	195,775
77	Oil, lubricating	3	22,000
78	Oil, resin	3	82,523
79	Painting and paperhanging	271	335,425
80	Paints	26	2,602,800
81	Paperhangings	3	285,000
82	Paper patterns	4	105,100
83	Patent medicines and compounds	6	550,000
84	Photographing	35	88,950
85	Pickles, preserves, and sauces	7	34,400
86	Plumbing and gasfitting	216	352,890
87	Printing and publishing	64	889,284
88	Pumps, not including steam pumps	6	10,150
89	Roofing and roofing materials	29	82,975
90	Rubber and elastic goods	6	298,837
91	Saddlery and harness	88	105,877
92	Sash, doors, and blinds	24	368,350
93	Sewing machines and attachments	15	10,725
94	Shipbuilding	58	768,050
95	Shirts	25	97,300

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—BROOKLYN—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
6	.....	.....	3,626	1,705	10,450	31
39	.....	2	17,741	28,521	137,271	32
808	129	24	473,353	3,446,549	4,900,338	33
40	8	.....	22,349	178,667	236,007	34
11	4	15	9,371	3,630	21,632	35
63	3	14	34,827	27,535	90,739	36
84	5	.....	51,000	1,063,867	1,252,756	37
58	3	15	29,192	21,978	68,509	38
139	5	.....	98,655	2,615,270	2,896,503	39
63	12	4	33,853	192,882	268,823	40
3,750	.....	140	2,283,934	3,146,992	6,984,832	41
608	6	18	315,439	439,135	952,472	42
88	.....	2	50,658	49,195	121,703	43
251	199	23	137,374	565,154	830,804	44
1,158	36	660	630,857	489,593	1,318,081	45
14	.....	6	9,614	15,698	33,461	46
1	5	.....	2,434	28,174	43,178	47
11	.....	.....	6,869	304,740	338,215	48
17	82	1	23,683	44,043	101,395	49
391	28	22	193,186	401,251	750,297	50
905	378	109	626,504	999,218	1,978,145	51
23	.....	.....	18,750	124,000	189,410	52
108	2	10	65,515	35,018	144,611	53
91	.....	12	43,456	103,552	185,245	54
79	.....	1	53,468	56,748	141,897	55
54	.....	14	23,949	22,571	61,355	56
197	282	.....	132,621	415,788	650,560	57
235	2	53	116,932	276,907	483,368	58
511	21	31	248,932	1,258,407	1,755,144	59
49	.....	.....	20,914	45,192	98,608	60
1,082	.....	.....	538,594	2,729,792	4,871,772	61
26	.....	3	10,793	11,867	43,984	62
39	.....	7	23,866	56,725	106,056	63
492	.....	38	230,827	1,271,317	1,707,821	64
37	.....	.....	24,375	323,915	433,290	65
730	.....	1	521,858	554,084	1,329,234	66
551	.....	1	374,569	594,426	1,079,809	67
183	12	70	116,029	203,427	385,340	68
24	.....	.....	13,268	67,640	137,670	69
33	84	10	48,710	339,634	476,262	70
63	.....	5	29,475	63,196	155,177	71
98	122	39	99,430	263,097	423,239	72
25	.....	.....	18,530	5,643	37,530	73
39	1	6	20,543	56,483	102,724	74
8	.....	.....	6,139	4,237	18,076	75
115	1	8	68,984	122,810	252,983	76
7	.....	.....	3,941	31,221	43,645	77
23	.....	.....	14,590	189,622	238,471	78
938	14	22	553,040	496,527	1,389,719	79
856	80	5	478,376	4,023,500	5,284,201	80
230	50	92	175,733	783,753	1,382,862	81
13	84	.....	40,538	44,000	512,550	82
57	59	1	56,411	274,474	730,046	83
64	18	2	37,455	26,685	141,947	84
17	1	.....	5,908	38,830	69,500	85
668	.....	23	377,195	701,530	1,399,092	86
693	257	72	522,075	452,610	1,549,743	87
17	.....	.....	9,708	8,156	24,190	88
196	.....	3	98,443	160,974	447,259	89
185	60	28	120,885	664,335	922,857	90
128	42	15	73,437	151,848	300,425	91
393	.....	40	190,509	398,679	738,722	92
24	10	5	16,780	6,244	34,158	93
957	.....	.....	746,856	1,044,724	1,999,788	94
57	240	7	105,723	260,511	439,060	95

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—BROOKLYN—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
96	Silk and silk goods	15	559, 325
97	Slaughtering and meat-packing, not including retail butchering establishments.	28	1, 125, 000
98	Soap and candles	8	338, 000
99	Spectacles and eyeglasses	3	39, 300
100	Sporting goods	11	65, 750
101	Stamped ware	6	870, 000
102	Stationery goods	7	325, 800
103	Stone- and earthen-ware	4	198, 600
104	Sugar and molasses, refined	11	10, 946, 000
105	Surgical appliances	6	10, 650
106	Tinware, copperware, and sheet-iron ware	119	156, 350
107	Tobacco, chewing, smoking, and snuff	10	1, 059, 890
108	Tobacco, cigars, and cigarettes	341	376, 590
109	Toys and games	10	255, 775
110	Trunks and valises	7	89, 800
111	Umbrellas and canes	9	18, 600
112	Upholstering	72	584, 535
113	Varnish	8	716, 800
114	Vinegar	7	63, 712
115	Watch and clock repairing	109	82, 668
116	Watch cases	4	156, 565
117	Window blinds and shades	12	294, 450
118	Wirework	10	240, 778
119	Wooden ware	3	9, 250
120	Wood, turned and carved	19	95, 300
121	Zinc	3	26, 500
122	Miscellaneous industries (*a*)	78	5, 231, 247

a The 78 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: agricultural implements; babbitt metal and solder; baking and yeast powders; belting and hose, leather; billiard tables and materials; bone-, ivory-, and lamp-black; boot and shoe findings; brass and copper, rolled; carpets, wood; carriages and sleds, children's; clocks; corsets; cotton goods; dyeing and finishing textiles; dyestuffs and extracts; engraving, wood; envelopes; explosives and fireworks; felt goods; gas and lamp fixtures; gloves and mittens; glue; gold and silver, reduced and refined;

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	All industries	1, 183	26, 847, 937
1	Agricultural implements	4	341, 500
2	Baking and yeast powders	7	38, 200
3	Belting and hose, leather	3	120, 600
4	Billiard tables and materials	3	13, 500
5	Blacksmithing	59	66, 175
6	Bookbinding and blank-book making	6	73, 800
7	Boots and shoes, including custom work and repairing	131	490, 146
8	Boxes, fancy and paper	4	10, 500
9	Boxes, wooden, packing	6	27, 590
10	Brass castings	7	40, 600
11	Bread and other bakery products	59	352, 550
12	Brick and tile	9	161, 495
13	Brooms and brushes	8	13, 700
14	Carpentering	15	45, 600
15	Carriages and sleds, children's	3	47, 800
16	Carriages and wagons	23	295, 900
17	Clothing, men's	52	1, 090, 900
18	Coffee and spices, roasted and ground	5	120, 300
19	Confectionery	10	173, 700
20	Cooperage	17	251, 857

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—BROOKLYN—Continued.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
147	453	107	231, 135	443, 135	853, 480	96
260	.....	.....	194, 568	7, 340, 450	8, 010, 492	97
101	4	13	55, 642	587, 036	799, 053	98
75	15	20	36, 556	5, 300	68, 000	99
77	24	24	45, 112	32, 487	103, 826	100
858	112	40	394, 779	936, 084	1, 556, 829	101
63	91	28	65, 390	226, 237	386, 097	102
175	113	10	102, 053	56, 960	194, 284	103
2, 054	.....	13	954, 929	56, 423, 858	59, 711, 168	104
4	2	.....	5, 294	7, 686	17, 968	105
268	2	14	150, 331	346, 867	619, 134	106
129	466	1	198, 770	931, 250	2, 302, 703	107
519	17	56	228, 141	381, 589	977, 480	108
146	199	43	109, 958	142, 769	332, 146	109
59	18	16	32, 138	88, 249	146, 344	110
4	8	.....	4, 066	14, 305	28, 773	111
197	135	35	145, 950	483, 514	784, 112	112
70	.....	3	47, 186	353, 205	874, 655	113
16	.....	.....	6, 974	54, 630	77, 019	114
133	8	11	76, 171	53, 319	221, 723	115
261	22	12	249, 816	717, 177	1, 109, 046	116
129	8	3	82, 171	224, 722	475, 805	117
128	23	21	83, 690	97, 641	228, 204	118
20	.....	1	9, 477	21, 150	36, 264	119
78	.....	6	39, 866	52, 411	139, 255	120
14	.....	.....	11, 502	10, 520	38, 385	121
3, 060	923	438	1, 691, 160	8, 546, 026	12, 065, 141	122

hat and cap materials; housefurnishing goods; iron and steel; iron forgings; japanning; jewelry; jewelry and instrument cases; lamps and reflectors; lead, bar, pipe, sheet, and shot; leather, tanned; liquors, distilled; lithographing; oilcloth, floor; oil, essential; oil, linseed; oleomargarine; paper (not specified); paving materials; pencils, lead; pens, gold; photographic apparatus; plated and britannia ware; pocket-books; printing materials; racking hose; refrigerators; regalia and society banners and emblems; sand and emery paper and cloth; saws; straw goods; taxidermy; upholstering materials; watch and clock materials; whalebone and rattan; wheelbarrows; wire; wood preserving; and wool hats.

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15, 033	1, 795	1, 193	7, 442, 109	27, 552, 086	42, 937, 701	
255	.....	.....	86, 773	129, 800	423, 500	1
13	1	1	6, 950	61, 800	79, 400	2
39	.....	21	18, 500	285, 000	322, 000	3
5	.....	1	3, 500	7, 100	16, 000	4
65	.....	4	33, 227	41, 108	121, 945	5
37	44	3	30, 600	53, 900	104, 100	6
549	84	47	268, 369	579, 157	1, 068, 296	7
10	72	12	15, 100	44, 190	72, 225	8
43	.....	.....	14, 053	34, 550	61, 812	9
37	.....	4	18, 930	36, 378	71, 400	10
238	43	27	125, 805	605, 993	924, 420	11
226	.....	70	100, 750	45, 270	201, 040	12
16	7	4	8, 796	23, 379	43, 892	13
120	.....	.....	56, 780	127, 275	224, 100	14
29	4	.....	14, 000	37, 500	75, 400	15
281	.....	7	143, 221	184, 081	410, 631	16
649	853	11	576, 425	1, 798, 067	2, 747, 475	17
22	4	3	11, 706	187, 000	230, 500	18
121	75	17	77, 770	262, 680	433, 800	19
315	.....	26	130, 340	232, 245	432, 162	20

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—BUFFALO—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
21	Cutlery and edge tools	6	98,400
22	Dentistry, mechanical	7	5,875
23	Drugs and chemicals	5	314,600
24	Dyeing and cleaning	4	31,350
25	Engraving, steel	4	4,100
26	Engraving, wood	5	6,600
27	Files	5	12,400
28	Flouring- and grist-mill products	7	940,000
29	Foundery and machine-shop products	41	3,080,918
30	Furniture	33	578,200
31	Furs, dressed	5	85,000
32	Glucose	3	1,750,000
33	Hardware	9	230,000
34	Hats and caps, not including wool hats	6	17,950
35	Iron and steel	4	1,790,000
36	Iron forgings	3	255,000
37	Leather, curried	3	93,000
38	Leather, tanned	7	1,077,000
39	Liquors, malt	28	1,859,975
40	Lithographing	4	190,000
41	Lock- and gun-smithing	4	4,500
42	Looking-glass and picture frames	8	39,700
43	Lumber, planed	17	1,183,000
44	Malt	34	1,342,000
45	Marble and stone work	21	274,050
46	Masonry, brick and stone	16	27,250
47	Mattresses and spring beds	7	19,098
48	Musical instruments, pianos, and materials	3	46,000
49	Painting and paperhanging	29	40,157
50	Patent medicines and compounds	12	1,098,100
51	Photographing	21	46,500
52	Plumbing and gasfitting	17	99,300
53	Printing and publishing	31	819,000
54	Pumps, not including steam pumps	4	13,000
55	Refrigerators	4	125,000
56	Roofing and roofing materials	5	19,321
57	Saddlery and harness	31	87,844
58	Shipbuilding	17	576,500
59	Shirts	7	20,800
60	Slaughtering and meat-packing, not including retail butchering establishments.	6	872,500
61	Soap and candles	7	579,000
62	Starch	3	245,000
63	Stereotyping and electrotyping	3	39,000
64	Stone- and earthen-ware	3	8,500
65	Tinware, copperware, and sheet-iron ware	53	203,050
66	Tobacco, cigars, and cigarettes	40	196,929
67	Trunks and valises	6	38,600
68	Upholstering	6	4,450
69	Vinegar	6	52,100
70	Watch and clock repairing	16	18,000
71	Wheelwrighting	35	83,325
72	Wirework	5	119,800
73	Wood, turned and carved	5	46,000
74	Miscellaneous industries (*a*)	81	2,264,382

a The 81 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: artificial limbs; awnings and tents; baskets, rattan and willow ware; bluing; boot and shoe findings; boot and shoe uppers; boxes, cigar; bridges; carriage and wagon materials; cars, railroad, street, and repairs; coffins, burial cases, and undertakers' goods; cordage and twine; dentists' materials; drain and sewer pipe; electrical apparatus and supplies; electroplating; envelopes; fertilizers; flavoring extracts; fruits and vegetables, canned and preserved; furniture, chairs; glass, cut, stained, and ornamented; gloves and mittens; glue; gold and silver leaf and foil; gold and silver, reduced and

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—BUFFALO—Continued.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
83	.....	14	46,039	50,900	115,100	21
6	.....	2	3,635	6,800	22,500	22
54	14	1	25,000	137,635	204,900	23
12	14	1	4,090	3,230	12,500	24
4	.....	.....	2,850	1,100	7,500	25
10	.....	.....	16,100	1,825	30,550	26
32	.....	1	13,625	6,000	29,500	27
120	.....	.....	58,984	2,081,532	2,251,848	28
2,011	.....	152	936,543	1,935,038	3,577,029	29
371	15	52	218,549	370,005	773,091	30
19	37	3	14,378	86,500	136,750	31
775	5	17	485,000	2,000,000	3,075,000	32
223	3	41	106,025	174,844	382,003	33
12	11	2	6,150	17,050	30,200	34
688	.....	25	212,278	635,353	887,012	35
180	.....	5	69,000	225,000	400,000	36
64	.....	2	26,233	439,250	510,500	37
375	.....	2	140,442	1,446,800	1,757,600	38
360	.....	.....	179,962	916,171	1,636,020	39
128	6	9	99,400	185,910	381,800	40
7	.....	.....	4,050	10,850	20,500	41
40	3	8	13,205	45,780	86,700	42
561	.....	59	243,820	784,541	1,219,406	43
275	.....	.....	91,840	1,512,752	2,002,893	44
477	7	2	189,649	182,829	433,023	45
123	.....	6	47,700	50,250	144,350	46
10	3	3	6,074	31,945	64,032	47
44	.....	.....	22,450	13,114	42,679	48
175	.....	6	98,070	110,185	258,488	49
78	47	2	60,471	261,345	654,027	50
28	4	7	15,388	13,275	64,800	51
152	.....	16	77,890	151,500	288,200	52
424	80	97	261,803	372,318	975,022	53
19	.....	.....	9,875	7,850	25,200	54
212	13	25	88,700	113,500	264,500	55
38	.....	.....	13,951	36,791	62,728	56
93	.....	2	41,483	80,498	165,844	57
709	.....	.....	328,390	455,252	859,756	58
10	61	2	21,760	24,300	66,500	59
289	.....	.....	170,433	3,023,924	3,441,280	60
153	4	48	81,095	881,114	1,176,840	61
184	40	15	77,691	378,176	625,390	62
30	.....	1	26,400	9,600	58,000	63
10	.....	.....	4,675	2,275	17,800	64
213	.....	21	115,417	269,470	492,317	65
250	11	41	114,470	241,758	464,946	66
43	.....	1	16,596	43,500	79,800	67
5	.....	1	1,960	8,200	15,600	68
18	.....	.....	9,842	53,406	84,200	69
25	.....	3	14,538	10,493	42,099	70
72	.....	4	31,795	38,854	107,603	71
93	10	42	55,305	114,614	203,500	72
86	6	19	35,910	56,630	115,526	73
1,490	214	175	643,535	2,663,781	4,028,591	74

refined; grease and tallow; hairwork; housefurnishing goods; ink; iron bolts, nuts, washers, and rivets; iron pipe, wrought; iron railing, wrought; iron work, architectural and ornamental; jewelry; lasts; lead, bar, pipe, sheet, and shot; liquors, distilled; lumber, sawed; mantels, slate, marble, and marbleized; masonry, brick and stone; millinery and lace goods; models and patterns; musical instruments, organs, and materials; oil, linseed; oil, lubricating; paints; paperhangings; paving materials; perfumery and cosmetics; scales and balances; show cases; silversmithing; springs, steel, car and carriage; stamped ware; stencils and brands; toys and games; type founding; umbrellas and canes; whips; and window blinds and shades.

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF CHICAGO.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
	All industries	3,519	68,836,885
1	Agricultural implements	3	3,110,000
2	Awnings and tents	8	10,350
3	Baking and yeast powders	3	135,000
4	Baskets, rattan and willow ware	11	107,750
5	Billiard tables and materials	4	263,200
6	Blacksmithing	146	110,375
7	Bookbinding and blank-book making	26	176,100
8	Boots and shoes, including custom work and repairing	133	997,475
9	Boxes, cigar	6	54,800
10	Boxes, fancy and paper	12	66,200
11	Boxes, wooden, packing	14	525,000
12	Brass castings	11	442,500
13	Bread and other bakery products	118	553,200
14	Brick and tile	35	348,800
15	Bridges	3	348,000
16	Brooms and brushes	41	243,200
17	Carpentering	171	442,050
18	Carpets, rag	5	1,275
19	Carriages and wagons	40	1,361,080
20	Cars, railroad, street, and repairs	5	421,500
21	Clothing, men's	102	6,439,650
22	Clothing, women's	19	353,500
23	Coffee and spices, roasted and ground	10	477,900
24	Coffins, burial cases, and undertakers' goods	5	179,650
25	Confectionery	24	413,200
26	Cooperage	65	325,560
27	Coppersmithing	3	3,100
28	Cork cutting	3	45,800
29	Cutlery and edge tools	12	113,700
30	Dentistry, mechanical	48	37,000
31	Dentists' materials	3	11,000
32	Drugs and chemicals	14	408,500
33	Dyeing and cleaning	16	78,350
34	Dyeing and finishing textiles	11	69,850
35	Electrical apparatus and supplies	3	271,200
36	Electroplating	9	24,800
37	Engraving and die-sinking	5	18,000
38	Engraving, wood	16	35,825
39	Flavoring extracts	4	71,200
40	Flouring- and grist-mill products	12	662,100
41	Food preparations	5	89,600
42	Foundery and machine-shop products	133	4,455,417
43	Fruits and vegetables, canned and preserved	5	90,000
44	Furnishing goods, men's	13	586,100
45	Furniture	149	2,443,175
46	Furniture, chairs	6	216,500
47	Furs, dressed	10	164,500
48	Gas and lamp fixtures	3	17,100
49	Gas machines and meters	3	45,500
50	Glass, cut, stained, and ornamented	6	39,600
51	Gloves and mittens	7	50,200
52	Gold and silver leaf and foil	3	22,000
53	Grease and tallow	6	117,000
54	Hairwork	15	48,650
55	Hand-knit goods	7	14,900
56	Handles, wooden	3	2,850
57	Hand-stamps	4	5,500
58	Hardware	13	134,870
59	Hardware, saddlery	3	30,100
60	Hats and caps, not including wool hats	11	18,950

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF CHICAGO.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
62, 431	12, 185	4, 798	*Dollars.* 34, 653, 462	*Dollars.* 179, 209, 610	*Dollars.* 249, 022, 948	
981	.....	40	559, 532	1, 642, 748	2, 699, 480	1
20	24	1	13, 540	46, 872	72, 031	2
75	37	1	44, 134	485, 000	635, 000	3
119	.....	14	48, 750	54, 225	120, 400	4
300	.....	.....	137, 225	283, 900	665, 400	5
335	.....	11	199, 689	123, 609	482, 029	6
208	163	39	165, 102	204, 725	481, 131	7
1, 387	358	66	770, 191	1, 355, 208	2, 479, 805	8
40	43	22	36, 268	114, 090	179, 411	9
68	178	32	81, 550	116, 400	254, 792	10
892	.....	95	414, 953	1, 271, 682	1, 883, 073	11
517	.....	.....	232, 125	361, 700	737, 500	12
680	159	37	398, 081	1, 817, 078	2, 613, 186	13
1, 176	13	61	454, 557	128, 573	800, 400	14
642	.....	.....	311, 763	1, 473, 000	1, 974, 000	15
255	106	46	132, 830	271 337	517, 324	16
1, 733	1	58	893, 642	1, 337, 890	2, 598, 508	17
3	1	.....	1, 700	2, 843	6, 450	18
1, 152	35	123	590, 166	702, 532	1, 869, 759	19
562	.....	20	286, 742	675, 291	1, 043, 682	20
4, 101	4, 601	374	3, 530, 169	11, 631, 764	17, 342, 207	21
72	1, 488	23	334, 885	1, 017, 720	1, 585, 990	22
185	40	45	137, 496	2, 342, 021	2, 808, 879	23
107	12	2	67, 020	194, 500	290, 600	24
310	163	132	211, 604	1, 424, 830	1, 953, 558	25
686	.....	20	313, 977	644, 380	1, 137, 694	26
10	.....	.....	4, 460	4, 820	14, 200	27
24	15	17	22, 103	125, 038	217, 220	28
135	8	27	69, 581	49, 670	177, 000	29
28	2	2	14, 000	25, 000	144, 000	30
18	5	.....	11, 300	12, 000	46, 000	31
165	45	11	93, 440	617, 800	959, 850	32
74	13	7	47, 023	46, 815	140, 461	33
72	13	7	46 519	45, 565	135, 521	34
127	25	.....	100, 603	143, 587	543, 000	35
31	2	6	18, 645	9, 820	59, 000	36
22	3	.....	17, 397	13, 550	49, 000	37
66	3	8	51, 785	12, 970	116, 775	38
65	40	5	36, 730	334 500	461, 500	39
176	.....	.....	103, 542	1, 939, 709	2, 217, 564	40
27	12	8	15, 940	58, 500	119, 000	41
4, 736	6	145	2, 371, 361	5, 088, 619	8, 944, 629	42
113	40	27	58, 700	417, 415	587, 223	43
144	1, 119	47	392, 700	1, 143, 275	1, 835, 597	44
4, 160	57	347	2, 028, 371	2, 996, 088	6, 177, 114	45
278	.....	57	121, 200	139, 440	334, 072	46
49	88	2	51, 658	227, 000	370, 000	47
46	1	2	18, 600	41, 225	96, 000	48
42	.....	.....	19, 723	28, 884	64, 860	49
76	1	3	47, 545	38, 564	113, 612	50
36	109	5	40, 075	110, 150	170, 800	51
34	45	2	25, 750	41, 000	85, 000	52
111	.....	.....	64, 044	1, 123, 025	1, 327, 000	53
8	110	.....	26, 782	65, 300	135, 915	54
4	106	9	14, 065	43, 470	64, 072	55
4	.....	2	1, 950	4, 485	9, 000	56
11	1	1	7, 140	11, 600	26, 050	57
136	.....	31	70, 293	89, 395	244, 018	58
32	1	20	18, 200	48, 290	87, 0 0	59
34	27	7	28, 226	36, 500	88, 200	60

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—CHICAGO—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
61	Hosiery and knit goods	7	57,800
62	Ink	3	33,750
63	Iron and steel	11	3,875,000
64	Iron doors and shutters	3	7,500
65	Iron forgings	4	135,800
66	Iron railing, wrought	5	10,000
67	Iron work, architectural and ornamental	11	64,000
68	Japanning	3	9,100
69	Jewelry	11	48,600
70	Lamps and reflectors	4	453,500
71	Lasts	3	16,500
72	Leather, curried	9	481,002
73	Leather, tanned	10	1,932,998
74	Liquors, distilled	7	1,175,000
75	Liquors, malt	18	3,395,500
76	Lithographing	13	494,150
77	Lock- and gun-smithing	14	10,400
78	Looking-glass and picture frames	52	338,675
79	Lumber, planed	15	471,008
80	Malt	16	870,200
81	Marble and stone work	43	491,150
82	Masonry, brick and stone	59	241,250
83	Mattresses and spring beds	24	216,950
84	Millinery and lace goods	12	108,100
85	Mineral and soda waters	13	120,150
86	Models and patterns	16	11,400
87	Musical instruments, organs, and materials	9	81,500
88	Musical instruments, pianos, and materials	5	20,300
89	Oil, lard	3	190,000
90	Oil, linseed	5	655,000
91	Oleomargarine	3	208,800
92	Painting and paperhanging	134	280,207
93	Paints	12	785,500
94	Patent medicines and compounds	12	176,050
95	Paving materials	3	58,500
96	Photographing	47	181,625
97	Pickles, preserves, and sauces	6	27,000
98	Pipes, tobacco	5	6,700
99	Plumbing and gasfitting	86	108,201
100	Pocket-books	3	22,300
101	Printing and publishing	135	2,886,400
102	Printing materials	4	20,200
103	Roofing and roofing materials	15	192,521
104	Rubber and elastic goods	3	10,500
105	Saddlery and harness	82	219,250
106	Sash, doors, and blinds	27	1,213,538
107	Saws	6	40,300
108	Scales and balances	4	51,450
109	Sewing-machine cases	6	70,800
110	Sewing machines and attachments	11	91,300
111	Shirts	28	156,450
112	Shipbuilding	21	355,000
113	Show-cases	11	55,100
114	Silk and silk goods	5	82,000
115	Slaughtering and meat-packing, not including retail butchering establishments.	70	8,455,200
116	Soap and candles	16	1,230,800
117	Stationery goods	3	5,600
118	Steam fittings and heating apparatus	11	99,700
119	Springs, steel, car and carriage	5	45,500
120	Stereotyping and electrotyping	3	25,000
121	Straw goods	8	144,000
122	Surgical appliances	4	20,500
123	Terra-cotta ware	3	28,000
124	Tinware, copperware, and sheet-iron ware	106	657,875
125	Tobacco, chewing, smoking, and snuff	4	287,500

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—CHICAGO—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
121	341	63	66,966	184,831	300,577	61
18	2	12	11,450	15,000	61,000	62
2,871	.....	125	1,477,563	8,006,970	10,441,891	63
18	.....	.....	11,720	19,800	40,560	64
115	.....	.....	56,130	349,337	485,581	65
27	.....	.....	15,590	17,400	42,882	66
133	.....	12	68,294	170,900	303,900	67
26	.....	1	6,300	5,000	17,100	68
67	.....	5	45,396	73,380	192,004	69
345	25	55	159,250	648,408	1,051,346	70
34	.....	2	19,988	34,075	61,700	71
225	.....	.....	129,196	1,762,756	2,146,500	72
981	99	29	541,184	3,790,522	4,914,550	73
750	.....	.....	330,000	2,961,281	4,387,545	74
892	.....	.....	445,891	1,886,165	3,429,375	75
307	12	11	220,955	263,549	698,387	76
20	.....	1	10,481	7,155	34,094	77
787	31	156	357,625	600,540	1,268,855	78
686	.....	56	297,730	3,441,100	4,080,900	79
230	.....	1	108,709	1,583,019	1,960,780	80
891	.....	14	456,014	583,915	1,275,355	81
1,613	.....	10	759,843	1,616,845	2,623,137	82
281	63	48	131,286	333,900	739,908	83
48	289	65	85,280	244,060	430,900	84
196	.....	6	84,380	182,810	406,900	85
57	.....	1	31,380	8,251	64,272	86
177	.....	22	105,307	195,028	376,650	87
27	.....	.....	16,902	11,800	37,675	88
82	.....	3	42,600	928,000	1,107,000	89
143	4	9	85,005	1,590,500	1,967,093	90
63	.....	7	21,310	328,500	437,800	91
963	1	33	519,973	549,015	1,403,026	92
251	18	7	153,128	2,110,845	2,796,000	93
94	32	2	45,878	516,500	674,280	94
81	.....	.....	36,787	244,500	307,000	95
115	57	7	100,738	81,885	325,978	96
49	5	2	25,400	216,470	288,200	97
4	.....	1	3,050	3,025	14,200	98
302	2	54	190,114	253,938	503,012	99
61	28	.....	31,890	95,840	150,599	100
2,750	453	316	1,930,881	2,451,360	5,959,295	101
24	.....	7	17,452	26,500	61,000	102
221	.....	.....	82,331	422,827	593,431	103
8	10	.....	4,540	25,750	35,600	104
329	100	62	179,574	403,625	746,247	105
1,793	16	190	805,233	1,649,555	2,961,508	106
26	.....	.....	18,283	12,300	43,500	107
74	.....	.....	40,500	111,250	217,600	108
339	.....	26	106,766	79,685	262,355	109
147	4	6	59,906	130,800	259,513	110
111	417	7	132,020	420,677	721,167	111
347	.....	.....	181,675	358,820	659,133	112
107	.....	8	59,976	111,500	227,000	113
67	135	57	72,195	125,895	244,150	114
7,180	.....	298	3,392,748	74,546,319	85,324,371	115
402	33	79	199,292	3,135,047	3,627,310	116
6	4	3	4,100	17,050	25,500	117
220	.....	5	115,590	411,780	580,530	118
64	.....	1	36,740	151,000	222,500	119
45	.....	12	23,672	18,300	65,554	120
85	335	19	119,514	297,744	484,609	121
16	12	.....	10,700	17,200	48,800	122
81	.....	13	26,500	22,576	68,000	123
919	108	154	518,329	1,157,831	2,164,496	124
142	97	15	77,060	1,206,187	1,387,598	125

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—CHICAGO—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
126	Tobacco, cigars, and cigarettes	287	538,350
127	Tools	5	15,300
128	Trunks and valises	12	155,000
129	Type founding	4	290,000
130	Umbrellas and canes	6	2,775
131	Upholstering	19	43,900
132	Varnish	4	207,000
133	Vinegar	13	196,300
134	Watch and clock repairing	28	26,950
135	Wheelwrighting	118	184,205
136	Whips	4	2,300
137	Window blinds and shades	4	11,500
138	Wirework	24	311,122
139	Wood, turned and carved	14	86,010
140	Miscellaneous industries (*a*)	74	4,114,271

a The 74 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: axle-grease; bags, other than paper; bags, paper; belting and hose, leather; cleansing and polishing preparations; cordage and twine; corsets; cotton goods; envelopes; explosives and fireworks; fancy articles; files; fire extinguishers, chemical; glass; glue; gold and silver, reduced and refined; iron bolts, nuts, washers, and rivets; iron nails and spikes, cut and wrought; iron pipe, wrought; ivory and bone work; jewelry and instrument cases; labels and tags; lapidary work; lard, refined; lead, bar, pipe,

CITY OF CINCINNATI.

	All industries	3,276	50,593,100
1	Artificial limbs	3	3,350
2	Awnings and tents	9	7,450
3	Bags, paper	3	85,000
4	Baking and yeast powders	6	28,000
5	Baskets, rattan and willow ware	9	9,000
6	Belting and hose, leather	3	57,000
7	Blacksmithing	128	115,745
8	Bookbinding and blank-book making	18	157,910
9	Boot and shoe findings	5	28,000
10	Boot and shoe uppers	3	5,400
11	Boots and shoes, including custom work and repairing	333	1,066,656
12	Boxes, cigar	8	23,750
13	Boxes, fancy and paper	7	38,550
14	Boxes, wooden, packing	5	43,100
15	Brass castings	14	220,777
16	Bread and other bakery products	232	391,860
17	Brick and tile	35	90,660
18	Brooms and brushes	18	101,247
19	Carpentering	119	290,305
20	Carpets, rag	21	4,775
21	Carriage and wagon materials	5	368,440
22	Carriages and wagons	50	1,252,131
23	Clothing, men's	237	6,279,783
24	Clothing, women's	19	194,802
25	Coffee and spices, roasted and ground	10	86,400
26	Coffins, burial cases, and undertakers' goods	8	636,500
27	Coke	3	14,000
28	Confectionery	20	177,075
29	Cooperage	58	359,950
30	Coppersmithing	5	34,000
31	Corsets	3	2,900
32	Cotton goods	3	715,000
33	Cutlery and edge tools	12	40,100
34	Dentistry, mechanical	24	18,550
35	Drugs and chemicals	8	102,200

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—CHICAGO—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
1,489	134	101	701,573	1,058,916	2,315,174	126
15	.....	.....	6,200	4,850	19,224	127
212	.....	10	102,170	295,700	508,300	128
127	95	96	109,300	86,000	314,000	129
8	.....	2	2,516	2,100	7,600	130
110	21	9	51,383	121,691	226,195	131
32	.....	1	24,646	302,600	389,000	132
63	.....	4	36,189	179,900	328,338	133
49	1	1	31,174	8,537	63,194	134
426	.....	21	213,500	165,049	532,734	135
8	3	1	3,325	3,950	11,369	136
12	8	9	6,550	32,600	51,250	137
213	.....	39	108,294	753,786	1,065,860	138
106	10	21	54,767	79,587	181,840	139
2,207	461	318	1,258,133	8,060,254	10,787,109	140

sheet, and shot; lightning-rods; lime; mantels, slate, marble, and marbleized; matches; mixed textiles; musical instruments and materials (not specified); oil, essential; pumps; perfumery and cosmetics; photographic apparatus; refrigerators; regalia and society banners and emblems; safes, doors, and vaults, fire-proof; screws; shoddy; soda-water apparatus; stencils and brands; stone- and earthen-ware; stamped ware; telegraph and telephone apparatus and supplies; toys and games; vault lights; washing-machines and clothes-wringers; watch cases; and wooden ware.

CITY OF CINCINNATI.

38,993	10,483	5,041	19,553,629	62,376,710	105,259,165	
11	.....	1	4,904	3,155	12,225	1
19	30	.....	11,492	34,095	64,750	2
42	41	2	26,377	376,072	472,808	3
19	.....	4	8,560	54,347	119,700	4
13	.....	2	4,175	10,595	24,060	5
26	.....	.....	15,429	73,107	104,554	6
328	.....	5	161,816	123,530	437,019	7
122	148	22	116,534	116,377	387,640	8
9	2	.....	4,366	63,200	91,000	9
13	9	3	9,000	14,900	29,900	10
2,352	579	283	1,088,248	2,305,219	4,132,637	11
47	44	23	32,090	60,185	118,740	12
27	35	7	26,726	32,012	72,809	13
75	8	11	30,469	71,900	125,612	14
226	.....	33	109,240	306,962	551,696	15
551	66	82	246,344	1,159,917	1,827,216	16
249	.....	41	79,155	59,950	215,035	17
108	13	13	41,438	64,835	148,050	18
875	.....	13	386,095	74[illegible],720	1,515,097	19
32	3	6	11,425	15,899	41,822	20
178	2	20	92,318	160,089	430,636	21
2,694	81	522	1,207,319	3,061,264	5,287,113	22
3,731	4,898	646	2,670,130	8,628,133	13,878,903	23
31	898	8	222,380	608,002	1,036,454	24
65	4	3	32,542	258,170	410,100	25
464	98	96	258,446	462,675	1,002,866	26
13	.....	.....	4,012	17,2[illegible]6	42,887	27
148	60	23	83,595	467,820	660,260	28
531	.....	11	205,559	258,428	587,083	29
50	.....	2	25,054	57,740	102,536	30
.....	5	1	1,395	3,800	10,000	31
97	275	26	99,147	298,465	684,158	32
31	.....	4	16,452	1[illegible],500	48,900	33
14	1	1	6,763	12,179	72,495	34
49	.....	.....	16,844	159,225	225,025	35

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—CINCINNATI—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
36	Dyeing and cleaning	12	47,050
37	Dyeing and finishing textiles	7	58,300
38	Electrical apparatus and supplies	5	83,500
39	Electroplating	7	33,160
40	Engraving and die-sinking	12	11,050
41	Engraving, steel	3	1,300
42	Engraving, wood	3	2,100
43	Fancy articles	3	4,500
44	Flavoring extracts	4	10,800
45	Flouring- and grist-mill products	14	210,500
46	Food preparations	3	6,300
47	Foundery and machine-shop products	90	4,088,475
48	Fruits and vegetables, canned and preserved	4	221,380
49	Furniture	119	2,642,711
50	Furniture, chairs	16	71,850
51	Gas machines and meters	6	121,000
52	Glass, cut, stained, and ornamented	3	5,650
53	Gloves and mittens	3	1,100
54	Glue	3	189,000
55	Grease and tallow	7	44,550
56	Hairwork	14	32,050
57	Hardware	18	959,309
58	Hats and caps, not including wool hats	9	9,350
59	Hosiery and knit goods	9	76,400
60	Ink	3	41,200
61	Instruments, professional and scientific	8	33,200
62	Iron and steel	4	610,689
63	Iron railing, wrought	5	18,150
64	Iron work, architectural and ornamental	8	50,250
65	Jewelry	9	152,600
66	Leather, curried	21	379,000
67	Leather, tanned	29	918,600
68	Lightning rods	3	40,000
69	Liquors, distilled	10	3,143,500
70	Liquors, malt	19	4,139,968
71	Lithographing	9	322,400
72	Lock- and gun-smithing	13	6,095
73	Looking-glass and picture frames	9	404,350
74	Lumber, planed	11	247,676
75	Lumber, sawed	9	502,000
76	Malt	14	839,000
77	Mantels, slate, marble, and marbleized	5	235,000
78	Marble and stone work	44	468,650
79	Masonry, brick and stone	18	23,050
80	Mattresses and spring beds	13	37,940
81	Millinery and lace goods	22	81,450
82	Mineral and soda waters	11	34,600
83	Models and patterns	13	8,350
84	Musical instruments and materials (not specified)	7	12,300
85	Oil, lard	5	220,000
86	Oil, lubricating	4	104,775
87	Painting and paperhanging	87	95,711
88	Patent medicines and compounds	41	505,750
89	Photographing	30	34,700
90	Pickles, preserves, and sauces	3	35,000
91	Plumbing and gasfitting	59	200,488
92	Printing and publishing	89	2,527,791
93	Refrigerators	4	44,100
94	Regalia and society banners and emblems	5	46,200
95	Roofing and roofing materials	25	230,520
96	Saddlery and harness	51	413,955
97	Safes, doors, and vaults, fire-proof	4	784,000
98	Sash, doors, and blinds	9	410,600
99	Saws	5	112,750
100	Sewing machines and attachments	6	14,700

TABLE LIII.—*Manufactures of 20 principal cities :* 1880—CINCINNATI—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
24	16	3	18,731	10,080	52,475	36
27	13	3	20,401	78,400	144,295	37
31	8	6	15,260	80,700	173,580	38
88	2	5	30,637	23,065	83,440	39
26	8	10	16,838	6,894	38,021	40
3	.....	.....	1,600	1,100	5,600	41
8	.....	.....	4,150	825	9,500	42
5	8	5	2,502	4,048	9,600	43
10	1	2	3,980	9,300	17,800	44
101	.....	.....	36,913	544,226	634,964	45
6	4	.....	2,000	5,860	13,910	46
3,503	6	126	1,749,584	2,592,096	5,723,508	47
179	577	150	79,173	565,234	743,928	48
2,853	138	470	1,335,213	1,641,141	4,372,339	49
167	17	14	73,775	50,222	208,635	50
76	.....	1	41,998	77,100	139,670	51
14	.....	.....	8,700	3,525	23,600	52
4	1	.....	1,400	3,500	7,000	53
46	.....	26	21,180	34,700	143,000	54
34	.....	1	18,486	187,200	229,600	55
11	31	.....	9,938	16,090	42,680	56
671	3	48	249,533	507,852	1,051,193	57
25	19	3	14,205	37,870	66,770	58
32	213	76	55,425	147,300	235,825	59
13	.....	2	7,360	45,200	78,800	60
37	1	2	17,557	11,998	47,549	61
305	.....	8	163,590	338,479	596,160	62
58	.....	4	22,183	32,969	69,386	63
84	.....	.....	39,025	152,124	255,847	64
179	25	49	131,886	142,385	418,900	65
184	.....	.....	86,175	1,425,505	1,700,426	66
341	.....	5	168,393	1,594,137	2,090,672	67
13	.....	.....	6,950	96,000	144,500	68
750	.....	.....	312,500	3,604,120	5,293,466	69
1,373	.....	.....	595,363	2,566,000	4,580,579	70
286	20	39	185,063	283,517	633,744	71
9	.....	4	4,328	3,035	14,410	72
462	.....	44	187,120	249,500	524,000	73
341	1	1	168,000	400,959	656,824	74
295	.....	20	110,979	974,097	1,247,191	75
107	.....	.....	57,316	736,613	884,310	76
199	.....	17	93,362	136,540	304,330	77
628	5	33	262,647	287,562	836,863	78
138	.....	5	58,591	85,628	183,509	79
48	14	15	22,239	74,150	135,350	80
25	259	11	77,486	162,852	320,091	81
50	.....	5	18,192	29,991	82,742	82
26	8	4	10,243	6,140	29,346	83
17	.....	.....	6,875	4,925	19,625	84
35	.....	.....	14,272	357,916	395,145	85
29	.....	1	18,404	169,100	238,000	86
368	.....	5	133,939	148,174	414,469	87
102	11	11	56,360	361,163	540,120	88
66	13	3	37,434	33,780	122,747	89
56	12	.....	16,800	95,000	130,000	90
235	.....	22	95,767	237,101	423,113	91
1,910	349	830	1,168,592	1,397,780	4,006,450	92
41	.....	2	11,303	13,425	42,040	93
17	76	7	18,550	45,800	80,500	94
234	1	3	91,764	409,244	612,491	95
543	14	35	236,473	511,749	1,155,564	96
865	.....	10	502,428	425,000	1,335,000	97
391	.....	12	187,949	355,400	735,200	98
96	.....	.....	37,518	66,410	145,550	99
13	1	2	8,035	152,104	168,800	100

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—CINCINNATI—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
101	Shipbuilding	8	131,000
102	Shirts	21	188,400
103	Show-cases	4	20,200
104	Silk and silk goods	5	21,700
105	Slaughtering and meat-packing, not including retail butchering establishments.	49	4,074,682
106	Spectacles and eyeglasses	3	1,125
107	Stencils and brands	4	9,450
108	Stereotyping and electrotyping	3	10,600
109	Stone- and earthen-ware	12	287,100
110	Surgical appliances	4	16,300
111	Tinware, copperware, and sheet-iron ware	107	344,333
112	Tobacco, chewing, smoking, and snuff	13	490,645
113	Tobacco, cigars, and cigarettes	250	746,935
114	Tools	3	17,800
115	Trunks and valises	11	93,700
116	Umbrellas and canes	7	20,250
117	Upholstering	11	152,850
118	Varnish	4	94,500
1 9	Vinegar	8	92,750
120	Watch and clock repairing	36	84,520
121	Wheelwrighting	45	122,012
122	Window blinds and shades	6	17,100
123	Wirework	6	82,600
124	Wooden ware	3	83,064
125	Wood, turned and carved	17	27,070
126	Miscellaneous industries (*a*)	74	2,783,615

a The 74 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: agricultural implements; axle-grease; bags, other than paper; billiard tables and materials; blacking; calcium lights; carriages and sleds, children's; cars, railroad, street, and repairs; cement; cigar molds; cleansing and polishing preparations; cloth-finishing; combs; cordage and twine; drain and sewer pipe; enameled goods; envelopes; explosives and fireworks; fertilizers; files; flags and banners; foundery supplies; furnishing goods, men's; furs, dressed; gas and lamp fixtures; gold and silver leaf and foil;

CITY OF CLEVELAND.

	All industries	1,055	19,430,989
1	Agricultural implements	3	101,200
2	Blacksmithing	28	31,650
3	Bookbinding and blank-book making	12	116,000
4	Boot and shoe uppers	3	19,000
5	Boots and shoes, including custom work and repairing	103	227,045
6	Boxes, cigar	3	6,900
7	Brass castings	6	37,500
8	Bread and other bakery products	45	110,303
9	Brick and tile	21	89,100
10	Bridges	4	347,000
11	Brooms and brushes	6	22,000
12	Carpentering	13	36,550
13	Carpets, rag	9	700
14	Carriages and wagons	25	165,400
15	Cars, railroad, street, and repairs	4	144,500
16	Clothing, men's	73	1,086,600
17	Coffee and spices, roasted and ground	4	138,000
18	Coffins, burial cases, and undertakers' goods	3	198,000
19	Confectionery	5	61,500
20	Cooperage	11	42,575
21	Cutlery and edge tools	3	97,000
22	Dentistry, mechanical	3	9,000
23	Drugs and chemicals	6	563,000
24	Engraving, wood	3	1,200
25	Flouring- and grist-mill products	6	120,000

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—CINCINNATI—Continued.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
231	.....	.....	134, 995	395, 100	566, 700	101
69	418	2	107, 271	253, 325	416, 627	102
92	.....	3	41, 616	53, 019	116, 637	103
19	68	39	10, 700	18, 355	46, 140	104
1, 107	.....	36	338, 302	10, 454, 991	11, 614, 810	105
2	.....	.....	460	500	2, 500	106
19	.....	7	12, 924	3, 450	22, 620	107
20	.....	2	18, 495	7, 600	28, 348	108
275	41	75	139, 508	93, 730	356, 900	109
8	2	.....	6, 452	8, 060	26, 000	110
399	3	19	168, 933	406, 303	790, 333	111
431	85	60	101, 986	1, 138, 489	1, 508, 486	112
2, 009	372	384	901, 628	1, 043, 066	2, 767, 401	113
28	.....	1	19, 100	14, 700	45, 800	114
199	20	14	61, 200	100, 935	226, 706	115
12	11	3	9, 800	31, 525	55, 600	116
113	16	45	48, 883	168, 495	265, 825	117
23	.....	.....	14, 355	131, 958	186, 090	118
49	.....	.....	16, 848	79, 600	167, 728	119
68	4	8	33, 686	15, 040	106, 151	120
206	.....	4	84, 345	55, 945	218, 304	121
17	4	1	9, 484	61, 000	100, 424	122
170	.....	36	36, 157	97, 200	198, 600	123
70	.....	42	50, 850	77, 291	173, 684	124
60	4	2	26, 979	23, 965	104, 160	125
1, 144	260	184	547, 141	2, 632, 395	4, 310, 063	126

hand-knit goods; hand-stamps; housefurnishing goods; lamps and reflectors; lapidary work; lasts; lead, bar, pipe, sheet, and shot; lime; millstones; mirrors; mixed textiles; oleomargarine; oil, cottonseed and cake; oil, illuminating; oil, linseed; paints; pens, gold; pocket-books; printing materials; scales and balances; smelting and refining; soap and candles; springs, steel, car and carriage; starch; steam-fittings and heating apparatus; taxidermy; type founding; veneering; washing-machines and clothes-wringers; and woolen goods.

CITY OF CLEVELAND.

18, 018	2, 286	1, 420	8, 502, 935	31, 629, 737	48, 604, 050	
39	.....	8	16, 006	53, 930	85, 420	1
72	.....	4	31, 249	29, 030	84, 770	2
115	71	10	66, 705	114, 112	210, 200	3
16	15	1	8, 488	27, 450	42, 920	4
320	44	1	121, 238	242, 879	455, 536	5
11	12	8	8, 500	24, 000	44, 000	6
81	.....	2	35, 200	60, 000	118, 140	7
131	16	7	63, 163	290, 515	452, 823	8
256	.....	22	74, 914	37, 169	159, 450	9
573	.....	4	180, 122	504, 348	925, 063	10
210	64	101	54, 675	57, 725	141, 666	11
120	.....	2	56, 240	104, 000	185, 150	12
5	.....	.....	1, 050	2, 372	9, 815	13
283	.....	2	126, 368	122, 480	335, 084	14
216	.....	.....	103, 925	461, 000	661, 000	15
824	1, 172	61	634, 319	1, 488, 780	2, 687, 409	16
62	1	6	43, 440	199, 000	300, 000	17
144	39	10	70, 012	103, 780	265, 150	18
47	25	9	23, 300	111, 500	161, 550	19
194	.....	.....	88, 625	334, 315	474, 050	20
116	.....	.....	47, 531	54, 326	123, 000	21
7	1	.....	4, 918	6, 050	19, 450	22
202	4	1	63, 400	323, 875	557, 500	23
7	.....	1	3, 000	800	10, 000	24
71	.....	.....	34, 200	988, 659	1, 105, 768	25

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—CLEVELAND—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
26	Foundery and machine-shop products	53	1,961,038
27	Furniture	28	326,600
28	Hairwork	10	14,740
29	Hardware	8	49,000
30	Hats and caps, not including wool hats	3	2,000
31	Hosiery and knit goods	5	27,000
32	Iron and steel	10	2,839,042
33	Iron bolts, nuts, washers, and rivets	5	307,500
34	Iron forgings	3	305,000
35	Iron railing, wrought	4	28,200
36	Iron work, architectural and ornamental	3	11,500
37	Jewelry	4	5,900
38	Leather, curried	4	47,000
39	Leather, tanned	4	68,000
40	Lime	4	44,600
41	Liquors, malt	23	1,286,200
42	Lithographing	4	100,700
43	Looking-glass and picture frames	8	41,650
44	Malt	4	260,000
45	Marble and stone work	11	168,600
46	Masonry, brick and stone	5	20,700
47	Mineral and soda waters	4	21,500
48	Models and patterns	4	2,800
49	Oil, lubricating	5	655,850
50	Painting and paperhanging	24	47,420
51	Paints	10	423,500
52	Patent medicines and compounds	3	6,700
53	Photographing	14	31,450
54	Plumbing and gastitting	17	22,850
55	Printing and publishing	11	693,300
56	Pumps	3	9,500
57	Roofing and roofing materials	4	61,000
58	Saddlery and harness	35	36,031
59	Sash, doors, and blinds	15	406,314
60	Sewing-machine cases	5	36,000
61	Shipbuilding	12	167,100
62	Shirts	7	20,300
63	Slaughtering and meat-packing, not including retail butchering establishments.	12	447,000
64	Soap and candles	5	55,000
65	Stencils and brands	3	1,200
66	Stereotyping and electrotyping	3	4,150
67	Tinware, copperware, and sheet-iron ware	60	141,050
68	Tobacco, cigars, and cigarettes	68	106,950
69	Trunks and valises	6	28,700
70	Umbrellas and canes	3	3,300
71	Upholstering	8	4,300
72	Varnish	4	432,500
73	Watch and clock repairing	3	12,800
74	Wheelwrighting	19	10,900
75	Wirework	4	118,500
76	Wood, turned and carved	3	17,250
77	Wooden ware	3	108,500
78	Miscellaneous industries (*a*)	73	3,609,921

a The 73 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: artificial limbs; awnings and tents; bags, other than paper; baking and yeast powders; baskets, rattan and willow ware; belting and hose, leather; belting and hose, rubber; billiard tables and materials; boxes, fancy and paper; carriage and wagon materials; clothing, women's; cordage and twine; dyeing and cleaning; electric lights; electroplating; fancy articles; fertilizers; files; foundery supplies; fruits and vegetables, canned and preserved; furs, dressed; gas and lamp fixtures; hand-stamps; ink; instruments, professional and scientific; iron nails and spikes, cut and wrought; iron pipe, wrought

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—CLEVELAND—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
2,426	3	108	946,877	1,786,420	3,820,685	26
392	12	23	167,251	183,199	470,835	27
5	19	.....	4,335	10,230	21,140	28
69	.....	11	28,550	59,875	142,500	29
12	5	1	6,200	4,100	17,800	30
4	192	2	21,960	42,100	97,550	31
2,788	.....	211	1,960,237	6,491,506	9,435,432	32
364	.....	.....	153,923	482,926	860,711	33
206	.....	.....	86,500	323,000	523,000	34
25	.....	8	8,885	23,800	45,500	35
37	.....	.....	18,844	47,274	84,354	36
26	.....	.....	10,500	11,600	30,000	37
19	.....	.....	8,200	159,608	178,500	38
32	.....	.....	14,850	143,700	181,800	39
45	.....	4	19,100	35,750	63,500	40
328	1	1	162,345	699,666	1,249,502	41
136	16	5	70,600	124,100	223,000	42
24	1	3	11,200	10,050	61,850	43
40	.....	2	20,603	259,673	333,452	44
161	.....	36	100,290	219,364	412,850	45
168	.....	2	63,060	93,750	187,000	46
25	.....	4	9,230	12,950	43,000	47
11	.....	.....	6,800	1,500	12,200	48
122	.....	6	56,123	850,102	1,163,714	49
139	.....	.....	58,267	59,590	160,366	50
207	12	15	113,214	801,334	1,202,480	51
5	.....	1	2,400	9,006	14,311	52
33	7	6	18,471	18,411	68,400	53
85	.....	2	34,061	60,600	142,411	54
392	18	16	258,590	236,947	666,509	55
10	.....	.....	4,300	7,900	15,200	56
41	.....	.....	19,292	113,000	169,000	57
77	.....	2	28,951	69,900	118,300	58
489	.....	11	202,703	533,035	857,687	59
275	.....	22	108,600	126,000	255,600	60
282	.....	.....	144,200	301,250	510,550	61
7	48	.....	14,589	51,812	87,295	62
388	.....	28	192,832	4,886,771	5,427,938	63
20	.....	2	8,420	47,715	68,700	64
6	.....	.....	2,825	2,100	9,530	65
6	.....	1	3,400	1,900	8,500	66
215	1	25	100,080	227,019	447,811	67
299	36	11	119,315	166,320	366,412	68
35	3	5	12,200	29,100	49,600	69
2	1	2	550	3,045	7,500	70
16	6	2	5,820	21,500	33,350	71
53	.....	.....	32,695	562,939	691,245	72
10	1	2	3,450	5,600	12,500	73
39	.....	.....	16,235	15,800	48,600	74
78	2	25	3,175	200,500	287,000	75
30	.....	9	17,000	20,895	53,489	76
140	19	58	52,550	158,000	232,500	77
3,052	428	488	1,007,679	5,052,410	7,316,707	78

lamps and reflectors; lead, bar, pipe, sheet and shot; leather, dressed skins; liquors, distilled; lumber, planed; lumber, sawed; mantels, slate, marble, and marbleized; mattresses and spring beds; millstones; musical instruments, organs, and materials; oil, lard; oil, linseed; paper (not specified); rubber and elastic goods; rules, ivory and wood; saws; screws; sewing machines and attachments; shoddy; show-cases; silk and silk goods; springs, steel, car and carriage; surgical appliances; taxidermy; telegraph and telephone apparatus; tobacco, chewing, smoking, and snuff; tools; vinegar; wheelbarrows; wire; and woolen goods.

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.
CITY OF DETROIT.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
	All industries	919	15,594,479
1	Baking and yeast powders	6	38,000
2	Baskets, rattan and willow ware	6	11,100
3	Blacksmithing	39	43,575
4	Boot and shoe uppers	3	7,300
5	Boots and shoes, including custom work and repairing	69	331,700
6	Boxes, cigar	4	41,000
7	Boxes, fancy and paper	3	5,900
8	Boxes, wooden, packing	6	32,600
9	Bread and other bakery products	47	225,400
10	Brooms and brushes	10	39,400
11	Carpentering	30	272,000
12	Carriages and wagons	23	209,000
13	Clothing, men's	31	963,500
14	Clothing, women's	3	12,800
15	Coffee and spices, roasted and ground	3	55,000
16	Confectionery	8	207,200
17	Cooperage	20	118,300
18	Corsets	4	46,800
19	Cutlery and edge tools	4	9,000
20	Dentistry, mechanical	5	9,000
21	Dyeing and cleaning	6	16,200
22	Flouring- and grist-mill products	14	497,000
23	Foundery and machine-shop products	24	1,262,050
24	Furniture	32	243,800
25	Hairwork	4	6,200
26	Hardware	3	27,000
27	Hats and caps, not including wool hats	6	298,000
28	Instruments, professional and scientific	3	12,500
29	Iron and steel	7	1,547,386
30	Jewelry	9	89,302
31	Leather, curried	7	104,336
32	Leather, tanned	10	498,664
33	Lime	4	95,500
34	Liquors, malt	28	1,205,120
35	Lock- and gun-smithing	6	4,500
36	Looking-glass and picture frames	13	252,650
37	Marble and stone work	16	110,100
38	Models and patterns	3	3,800
39	Painting and paperhanging	23	88,900
40	Patent medicines and compounds	5	48,000
41	Perfumery and cosmetics	4	25,500
42	Photographing	16	40,550
43	Plumbing and gasfitting	16	136,200
44	Printing and publishing	39	866,050
45	Roofing and roofing materials	5	30,000
46	Saddlery and harness	28	39,100
47	Sash, doors, and blinds	15	261,000
48	Shipbuilding	16	187,200
49	Shirts	5	4,700
50	Slaughtering and meat-packing, not including retail butchering establishments.	7	485,000
51	Spectacles and eyeglasses	3	45,000
52	Stencils and brands	6	9,200
53	Tinware, copperware, and sheet-iron ware	47	108,650
54	Tobacco, chewing, smoking, and snuff	5	495,000
55	Tobacco, cigars, and cigarettes	58	453,700
56	Trunks and valises	3	35,500
57	Upholstering	5	52,200
58	Wheelwrighting	15	12,300
59	Wirework	4	87,000
60	Wooden ware	5	273,000
61	Wood, turned and carved	11	15,550
62	Miscellaneous industries (*a*)	59	2,842,496

a The 59 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: artificial limbs; billiard tables and materials; boot and shoe findings; brass castings; brick and tile; bridges; carpets, rag; carriages and sleds, children's; cars, railroad, street, and repairs; combs; drugs and chemicals; files; fruits and vegetables, canned and preserved; furniture, chairs; furs, dressed; gas machines and meters; gloves and mittens; hosiery and knit goods; ink; lasts; lumber, sawed; masonry,

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF DETROIT.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
12,477	2,430	1,203	*Dollars.* 6,306,460	*Dollars.* 18,150,995	*Dollars.* 30,181,416	
33	10	3	17,596	84,800	141,600	1
18	9	7	12,570	9,325	29,900	2
80	.....	3	37,064	33,300	109,350	3
22	12	2	12,150	20,500	42,200	4
529	54	29	317,100	605,450	1,066,025	5
30	25	29	23,450	58,000	103,000	6
6	30	1	10,160	34,500	58,000	7
149	.....	17	54,600	145,500	226,800	8
229	12	35	146,580	656,389	930,157	9
55	19	44	32,409	72,069	127,538	10
669	.....	3	254,236	580,495	955,195	11
285	2	8	127,945	174,000	400,220	12
273	767	.....	389,926	1,364,016	2,056,182	13
.....	44	.....	9,280	8,300	24,100	14
27	6	1	16,950	100,000	145,000	15
93	72	5	63,800	467,400	584,200	16
183	.....	13	69,500	146,650	266,400	17
20	115	16	41,450	111,100	208,500	18
14	.....	2	7,920	5,270	20,500	19
7	2	1	4,700	11,000	27,500	20
10	14	.....	9,228	5,700	22,100	21
123	.....	.....	62,795	1,438,752	1,649,627	22
960	.....	64	431,065	915,955	1,808,355	23
264	18	78	119,620	229,002	438,801	24
.....	19	.....	5,120	5,000	15,800	25
55	.....	7	18,142	20,300	49,000	26
100	133	1	73,069	129,400	293,500	27
10	.....	.....	4,880	4,470	14,540	28
1,088	.....	7	436,986	1,872,407	2,498,634	29
56	.....	4	40,499	58,251	135,600	30
34	.....	.....	16,088	233,975	284,118	31
139	2	.....	56,493	465,526	629,696	32
30	.....	.....	10,440	18,733	37,555	33
299	4	1	149,677	640,768	1,143,601	34
10	.....	.....	4,200	1,850	13,300	35
266	74	60	126,472	217,797	462,669	36
173	.....	9	109,446	160,300	348,200	37
4	.....	1	2,130	1,475	6,400	38
315	.....	10	130,235	194,229	384,930	39
23	36	6	16,920	25,000	87,000	40
20	9	5	12,900	42,000	94,000	41
35	11	3	19,892	24,860	74,600	42
183	.....	3	93,861	173,897	359,954	43
677	78	57	373,262	301,359	986,098	44
65	.....	4	25,700	60,500	108,200	45
70	1	6	33,415	51,100	120,700	46
338	.....	68	148,525	278,850	553,000	47
756	.....	.....	310,605	364,262	738,975	48
18	30	1	12,860	15,800	36,420	49
137	.....	10	79,067	1,413,426	1,721,231	50
53	5	19	23,400	24,500	71,000	51
18	.....	.....	10,750	10,500	34,100	52
142	.....	24	68,781	100,725	232,700	53
138	125	80	100,725	719,554	1,212,146	54
723	102	74	310,828	572,080	1,196,870	55
78	.....	12	44,142	82,758	145,900	56
67	5	9	28,115	112,400	172,400	57
32	.....	3	13,670	10,150	36,300	58
135	10	22	69,900	97,500	192,500	59
243	25	6	67,680	131,500	226,950	60
31	.....	3	14,306	13,850	49,849	61
1,837	550	327	971,185	2,222,470	3,971,730	62

brick and stone; matches; musical instruments, organs, and materials; musical instruments, pianos, and materials; needles and pins; oil, lubricating; pens, gold; pickles, preserves, and sauces; pipes, tobacco; refrigerators; regalia and society banners and emblems; safes, doors, and vaults, fire-proof; saws; scales and balances; show-cases; stone- and earthen-ware; telegraph and telephone apparatus; umbrellas and canes; varnish; whips; and window blinds and shades.

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

JERSEY CITY.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
	All industries	584	11,899,915
1	Blacksmithing	40	32,500
2	Boots and shoes, including custom work and repairing	39	29,415
3	Brass castings	4	180,600
4	Bread and other bakery products	46	75,150
5	Carpentering	42	41,800
6	Carriages and wagons	6	23,600
7	Clothing, men's	22	59,000
8	Confectionery	6	24,500
9	Cooperage	6	167,700
10	Dentistry, mechanical	4	9,500
11	Drugs and chemicals	8	560,000
12	Foundery and machine-shop products	23	768,300
13	Furniture	3	3,600
14	Iron and steel	3	850,000
15	Iron railing, wrought	3	2,200
16	Kindling wood	4	28,400
17	Liquors, malt	5	356,500
18	Lock- and gun-smithing	4	550
19	Marble and stone work	12	35,850
20	Masonry, brick and stone	5	23,400
21	Mattresses and spring beds	5	25,000
22	Painting and paperhanging	30	40,350
23	Photographing	14	39,800
24	Plumbing and gasfitting	24	46,650
25	Printing and publishing	5	66,200
26	Saddlery and harness	9	5,150
27	Sash, doors, and blinds	6	28,000
28	Shipbuilding	25	263,500
29	Shirts	4	8,600
30	Slaughtering and meat-packing, not including retail butchering establishments.	20	1,272,200
31	Sugar and molasses, refined	3	2,100,000
32	Tinware, copperware, and sheet-iron ware	24	62,400
33	Tobacco, cigars, and cigarettes	40	80,125
34	Upholstering	8	4,450
35	Wheelwrighting	17	15,700
36	Wood, turned and carved	3	13,500
37	Miscellaneous industries (*a*)	62	4,556,725

a The 62 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: awnings and tents; baskets, rattan and willow ware; billiard tables and materials; boxes, wooden, packing; bridges; coffins, burial-cases, and undertakers' goods; coppersmithing; corsets; crucibles; dyeing and cleaning; explosives and fireworks; fancy articles; flouring- and grist-mill products; hardware; hosiery and knit goods; ink; iron bolts, nuts, washers, and rivets; iron forgings; iron pipe, wrought;

CITY OF LOUISVILLE.

	All industries	1,108	21,767,013
1	Agricultural implements	6	1,915,100
2	Baskets, rattan and willow ware	7	2,800
3	Blacksmithing	49	45,110
4	Bookbinding and blank-book making	3	49,400
5	Boots and shoes, including custom work and repairing	115	284,000
6	Boot and shoe uppers	5	14,050
7	Boxes, wooden, packing	4	58,672
8	Brass castings	6	69,600
9	Bread and other bakery products	69	192,600
10	Brick and tile	16	127,350

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

JERSEY CITY.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
7, 962	2, 426	750	*Dollars.* 4, 622, 655	*Dollars.* 49, 738, 985	*Dollars.* 60, 473, 905	
75	.....	3	38, 013	29, 285	108, 420	1
39	3	2	16, 451	34, 138	79, 200	2
111	.....	4	47, 729	89, 781	157, 886	3
109	13	3	61, 238	322, 104	459, 888	4
189	4	5	94, 420	170, 382	330, 521	5
41	.....	2	22, 100	28, 000	69, 000	6
91	12	4	51, 723	179, 425	294, 000	7
12	7	16	11, 592	41, 340	70, 790	8
281	.....	11	103, 748	377, 546	630, 529	9
7	.....	2	4, 825	10, 500	24, 850	10
243	2	4	124, 645	1, 266, 202	1, 517, 214	11
604	12	5	303, 847	510, 514	1, 041, 471	12
17	.....	.....	4, 700	6, 700	19, 300	13
403	.....	12	210, 000	771, 340	1, 464, 500	14
4	.....	1	1, 910	1, 975	5, 900	15
29	.....	3	11, 250	18, 600	36, 500	16
101	.....	.....	45, 399	235, 874	416, 886	17
1	.....	.....	225	1, 450	4, 200	18
87	.....	3	38, 150	48, 000	120, 200	19
110	.....	1	50, 500	36, 900	112, 750	20
41	5	4	12, 878	46, 476	75, 000	21
151	.....	1	69, 890	60, 400	165, 970	22
37	10	2	20, 870	25, 750	75, 950	23
65	.....	10	32, 565	79, 283	146, 762	24
85	.....	8	42, 337	28, 466	100, 174	25
4	.....	.....	2, 100	5, 550	13, 400	26
32	.....	1	15, 024	52, 508	85, 372	27
360	.....	.....	237, 542	217, 712	541, 766	28
4	30	.....	5, 500	26, 400	38, 225	29
423	.....	10	303, 800	17, 404, 689	18, 551, 783	30
680	.....	5	473, 316	20, 759, 961	22, 799, 614	31
79	.....	4	37, 910	63, 500	133, 814	32
127	1	7	56, 507	83, 454	185, 703	33
11	.....	3	5, 237	11, 476	23, 150	34
40	.....	3	20, 050	19, 650	60, 100	35
34	.....	.....	14, 500	27, 700	52, 000	36
3, 235	2, 327	611	2, 630, 164	6, 645, 954	10, 461, 117	37

iron doors and shutters; ivory and bone work; lamps and reflectors; lard, refined; leather, curried; leather, tanned; looking-glass and picture frames; mineral and soda waters; models and patterns; oil, castor; paints; paper (not specified); patent medicines and compounds; pencils, lead; pumps; rubber and elastic goods; silk and silk goods; soap and candles; sporting goods; steam fittings and heating apparatus; stone- and earthen-ware; tobacco, chewing, smoking, and snuff; trunks and valises; umbrellas and canes; watch and clock repairing; wheelbarrows; window blinds and shades; wirework; and zinc.

CITY OF LOUISVILLE.

13, 480	2, 829	1, 139	5, 835, 545	21, 207, 110	35, 423, 203	
678	10	10	261, 661	640, 600	1, 220, 700	1
6	.....	1	1, 916	1, 755	7, 820	2
80	.....	.....	38, 528	36, 875	129, 315	3
32	22	.....	20, 140	53, 150	95, 800	4
465	127	25	218, 019	393, 225	774, 262	5
23	11	.....	18, 857	69, 600	102, 980	6
56	.....	3	27, 400	55, 400	107, 000	7
52	.....	9	20, 020	80, 020	114, 276	8
193	21	6	69, 431	377, 311	592, 925	9
299	.....	16	68, 140	45, 680	151, 175	10

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—LOUISVILLE—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
11	Brooms and brushes	8	15,900
12	Carpentering	44	168,900
13	Carriages and wagons	30	338,250
14	Clothing, men's	35	701,800
15	Clothing, women's	3	45,000
16	Coffee and spices, roasted and ground	3	39,500
17	Coffins, burial cases, and undertakers' goods	3	110,300
18	Confectionery	17	170,900
19	Cooperage	22	272,200
20	Cutlery and edge tools	5	54,600
21	Dentistry, mechanical	10	32,500
22	Drugs and chemicals	4	23,000
23	Dyeing and cleaning	3	11,500
24	Flouring- and grist-mill products	8	260,000
25	Foundery and machine-shop products	32	2,044,750
26	Furniture	18	421,600
27	Furniture, chairs	7	130,900
28	Glass	3	295,000
29	Hairwork	6	8,400
30	Hardware	3	10,500
31	Ink	3	9,500
32	Instruments, professional and scientific	3	11,500
33	Iron and steel	3	392,000
34	Iron work, architectural and ornamental	4	33,500
35	Jewelry	7	25,099
36	Leather, curried	5	94,000
37	Leather, tanned	13	1,610,000
38	Liquors, distilled	15	1,049,000
39	Liquors, malt	20	712,000
40	Lithographing	4	26,200
41	Lock- and gun-smithing	3	2,100
42	Looking-glass and picture frames	4	3,162
43	Lumber, planed	9	268,768
44	Lumber, sawed	3	300,000
45	Marble and stone work	17	140,375
46	Masonry, brick and stone	4	50,650
47	Mattresses and spring beds	10	15,450
48	Millinery and lace goods	7	61,000
49	Mineral and soda waters	7	19,900
50	Mixed textiles	3	410,000
51	Musical instruments, pianos, and materials	5	40,700
52	Painting and paperhanging	23	26,850
53	Patent medicines and compounds	9	119,500
54	Photographing	11	27,900
55	Plumbing and gasfitting	17	35,650
56	Printing and publishing	36	1,333,500
57	Pumps, not including steam pumps	5	22,250
58	Roofing and roofing materials	8	16,300
59	Saddlery and harness	35	396,150
60	Shirts	8	64,300
61	Show-cases	3	2,100
62	Slaughtering and meat-packing, not including retail butchering establishments.	23	2,144,500
63	Stone- and earthen-ware	4	10,900
64	Tinware, copperware, and sheet-iron ware	45	178,900
65	Tobacco, chewing, smoking, and snuff	9	460,000
66	Tobacco, cigars and cigarettes	54	248,237
67	Trunks and valises	7	59,800
68	Upholstering	4	13,100
69	Vinegar	3	42,500
70	Watch and clock repairing	9	5,200
71	Wheelwrighting	16	26,750
72	Wood, turned and carved	6	93,000
73	Woolen goods	4	425,000
74	Miscellaneous industries (*a*)	76	2,826,140

a The 76 establishments classed as "miscellaneous industries" are grouped in order that the busines of individual establishments may not be disclosed to the public. In this group are embraced: artifi cial limbs; awnings and tents; axle-grease; bagging, flax, hemp, and jute; baking and yeast powders bells; belting and hose, leather; bluing; boxes, cigar; boxes, fancy and paper; bridges; buttons carriage and wagon materials; carriages and sleds, children's; cars, railroad, street, and repairs cement; coppersmithing; cordage and twine; cork cutting; cotton goods; drain and sewer pipe dyeing and finishing textiles; electrical apparatus and supplies; electroplating; files; glass, cut

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—LOUISVILLE—Continued.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
58	8	2	24,810	35,600	75,980	11
369	.....	5	163,897	385,650	718,600	12
376	2	14	156,422	390,540	717,575	13
782	763	4	300,511	724,536	1,308,718	14
2	220	25	53,300	275,600	388,900	15
21	.....	8	20,500	159,000	209,200	16
68	3	.....	29,100	41,700	120,800	17
90	17	5	38,814	151,749	263,430	18
537	.....	7	254,931	368,560	762,800	19
73	.....	1	31,979	28,600	75,350	20
8	.....	.....	6,075	14,700	49,500	21
13	.....	.....	5,400	22,300	46,000	22
4	3	.....	2,300	1,700	9,170	23
94	.....	.....	35,350	837,165	951,850	24
1,533	.....	35	612,155	1,312,881	2,343,039	25
543	4	32	220,000	359,705	797,460	26
184	10	40	85,676	117,845	244,670	27
132	1	36	32,917	37,079	123,075	28
.....	8	.....	2,431	10,265	25,600	29
14	.....	.....	6,850	6,500	21,800	30
9	2	.....	3,908	5,600	11,800	31
6	.....	.....	3,820	1,800	11,000	32
468	.....	2	149,187	305,784	514,623	33
31	.....	.....	12,004	19,940	48,493	34
31	2	1	14,794	28,384	53,703	35
43	.....	.....	11,825	228,090	275,400	36
374	1	10	160,653	1,261,931	1,855,590	37
218	.....	1	89,855	953,900	1,382,500	38
275	1	2	134,291	575,533	959,221	39
43	12	10	22,324	22,526	59,270	40
10	.....	.....	4,458	11,500	19,400	41
6	.....	.....	2,130	4,510	12,040	42
235	.....	2	106,475	336,997	611,204	43
70	.....	7	25,582	126,375	212,500	44
167	.....	.....	80,714	133,846	319,500	45
78	.....	7	35,674	53,300	113,150	46
35	6	.....	15,573	40,280	75,800	47
3	79	5	20,240	96,600	149,900	48
15	.....	4	7,872	10,100	30,593	49
79	154	112	100,862	446,570	654,329	50
26	.....	.....	12,833	13,800	42,200	51
111	.....	5	43,248	37,550	116,727	52
33	10	5	14,186	166,000	352,800	53
32	4	1	18,306	27,650	68,685	54
81	.....	3	34,560	54,421	123,975	55
668	104	65	416,551	433,164	1,188,067	56
24	.....	2	11,160	12,010	33,789	57
26	.....	2	11,687	32,700	58,350	58
398	19	23	159,571	520,525	882,542	59
9	100	.....	19,594	30,774	65,315	60
6	.....	2	1,950	2,650	6,900	61
358	.....	8	141,092	3,438,459	4,287,158	62
23	.....	4	8,900	4,950	18,400	63
151	.....	5	73,548	228,395	419,030	64
742	436	203	188,517	1,162,891	2,312,802	65
336	67	111	141,148	245,863	684,842	66
98	.....	17	44,101	72,300	164,100	67
13	3	.....	5,000	22,900	38,200	68
15	.....	.....	5,210	64,805	89,000	69
5	.....	.....	3,300	1,885	15,650	70
35	.....	.....	17,534	19,250	64,500	71
62	.....	36	36,299	50,756	114,767	72
92	154	114	102,212	451,970	669,079	73
1,155	445	86	495,267	2,412,485	3,686,539	74

stained, and ornamented; grease and tallow; handles, wooden; hats and caps; iron bolts, nuts, washers, and rivets; iron forgings; labels and tags; lapidary work; lightning-rods; malt; models and patterns; musical instruments, organs, and materials; nets and seines; oil, linseed; oleomargarine; paints; paper (not specified); pickles, preserves, and sauces; refrigerators; sash, doors, and blinds; saws; scales and balances; shipbuilding; soap and candles; sporting goods; stencils and brands; stereotyping and electrotyping; toys and games; umbrellas and canes; and wirework.

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.
CITY OF MILWAUKEE.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
	All industries	844	18,766,914
1	Baskets, rattan and willow ware	4	90,600
2	Blacksmithing	34	54,850
3	Bookbinding and blank-book making	7	21,700
4	Boots and shoes, including custom work and repairing	59	296,275
5	Brass castings	6	108,300
6	Bread and other bakery products	36	61,350
7	Brick and tile	5	328,500
8	Brooms and brushes	4	13,000
9	Carpentering	47	149,780
10	Carpets, rag	5	5,100
11	Carriages and wagons	11	97,000
12	Clothing, men's	52	1,895,128
13	Clothing, women's	4	64,000
14	Coffee and spices, roasted and ground	9	257,621
15	Confectionery	4	144,054
16	Cooperage	39	142,250
17	Coppersmithing	3	41,500
18	Cordage and twine	3	5,000
19	Dentistry, mechanical	5	8,000
20	Drugs and chemicals	6	40,872
21	Flouring- and grist-mill products	11	1,066,000
22	Foundery and machine-shop products	30	1,286,445
23	Furnishing goods, men's	3	7,000
24	Furniture	16	329,800
25	Furs, dressed	3	61,000
26	Hairwork	3	8,500
27	Hand-knit goods	5	26,000
28	Hardware	5	11,700
29	Hats and caps, not including wool hats	3	26,000
30	Jewelry	4	15,000
31	Leather, curried	17	800,425
32	Leather, dressed skins	5	71,500
33	Leather, tanned	17	1,008,525
34	Lithographing	4	69,125
35	Liquors, distilled	2	142,000
36	Liquors, malt	13	4,732,909
37	Looking-glass and picture frames	4	12,975
38	Lumber, planed	3	70,000
39	Marble and stone work	11	95,300
40	Masonry, brick and stone	4	8,500
41	Mattresses and spring beds	4	3,800
42	Mineral and soda waters	6	34,200
43	Painting and paperhanging	31	53,950
44	Plumbing and gasfitting	8	47,600
45	Printing and publishing	24	434,700
46	Pumps, not including steam pumps	4	4,075
47	Saddlery and harness	29	73,300
48	Sash, doors, and blinds	7	261,000
49	Shipbuilding	8	136,500
50	Shirts	3	2,100
51	Slaughtering and meat-packing, not including retail butchering establishments.	7	789,000
52	Soap and candles	5	120,000
53	Stone- and earthen-ware	8	69,700
54	Tinware, copperware, and sheet-iron ware	29	95,950
55	Tobacco, chewing, smoking, and snuff	3	331,000
56	Tobacco, cigars, and cigarettes	56	238,375
57	Trunks and valises	4	183,000
58	Upholstering	6	11,900
59	Vinegar	5	62,000
60	Watch and clock repairing	4	4,100
61	Wheelwrighting	13	47,500
62	Wirework	5	4,750
63	Miscellaneous industries (*a*)	69	2,084,830

a The 69 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: agricultural implements; artificial feathers and flowers; artificial limbs; bags, paper; baking and yeast powders; boot and shoe uppers; boxes, cigar; boxes, fancy and paper; boxes, wooden, packing; bridges; carriages and sleds, children's; carriage and wagon materials; drain and sewer pipe; dyeing and cleaning; electroplating; engraving and die-sinking; engraving, wood; fertilizers; files; food preparations; furniture, chairs; galvanizing; gloves and mittens; ink; iron and steel; lightning-rods;

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF MILWAUKEE.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
16,015	3,922	949	*Dollars.* 6,946,105	*Dollars.* 28,975,872	*Dollars.* 43,473,812	
108	15	161	46,660	38,825	114,300	1
103	.....	.....	52,264	31,410	122,540	2
56	47	18	31,505	26,681	78,713	3
462	55	9	162,263	380,074	665,183	4
140	2	2	51,112	76,436	167,114	5
102	16	29	37,254	255,449	358,866	6
346	.....	43	89,720	77,276	225,808	7
50	5	.....	15,240	16,720	47,620	8
745	.....	.....	311,581	543,315	986,685	9
19	25	.....	4,900	12,550	22,350	10
148	.....	2	62,265	76,500	184,000	11
1,902	2,350	50	912,657	2,243,365	3,763,987	12
34	163	.....	29,900	109,000	147,160	13
125	19	15	89,550	693,042	931,640	14
110	30	20	43,542	378,370	474,922	15
526	.....	35	234,115	337,880	680,445	16
20	.....	.....	10,692	22,870	44,392	17
9	.....	.....	3,200	10,000	16,600	18
10	1	2	4,500	10,500	30,000	19
15	12	.....	9,386	55,179	85,393	20
265	.....	.....	136,266	3,795,289	4,204,708	21
1,437	.....	30	673,392	1,173,907	2,252,784	22
7	9	1	1,890	17,000	28,850	23
497	14	15	212,501	223,301	568,268	24
14	38	5	25,000	89,500	136,000	25
.....	11	.....	2,800	6,050	13,200	26
2	538	52	14,500	45,500	83,000	27
19	.....	10	8,600	14,900	32,160	28
8	14	.....	7,500	17,928	34,000	29
18	.....	.....	8,316	31,000	47,000	30
375	.....	.....	160,441	1,874,595	2,219,978	31
46	.....	.....	20,900	67,925	104,581	32
407	.....	.....	173,861	1,612,400	2,101,195	33
116	2	13	57,751	79,640	166,860	34
20	.....	.....	9,180	95,425	145,650	35
1,040	.....	.....	525,573	2,259,345	4,034,319	36
10	.....	.....	7,222	19,900	35,470	37
115	4	11	35,000	50,000	117,000	38
167	.....	2	73,256	106,450	220,396	39
27	.....	2	12,000	14,000	34,750	40
8	5	2	2,550	12,000	17,500	41
44	5	5	14,208	31,450	62,950	42
204	.....	2	68,105	95,607	206,546	43
95	.....	1	43,600	71,700	138,400	44
518	43	48	268,270	200,486	675,087	45
9	.....	.....	3,150	4,622	11,500	46
107	.....	38	44,451	112,620	199,525	47
512	.....	18	139,100	303,000	557,000	48
227	.....	.....	110,413	133,963	301,705	49
4	17	.....	4,990	5,790	17,650	50
928	.....	25	187,596	5,529,618	6,099,486	51
50	4	11	24,620	204,100	280,090	52
67	.....	.....	17,511	21,755	66,600	53
150	.....	4	56,687	106,994	215,544	54
200	6	20	78,500	786,645	978,281	55
733	4	77	301,934	344,939	835,506	56
218	.....	45	76,720	115,800	244,600	57
46	.....	.....	22,800	97,500	146,500	58
32	.....	.....	18,415	42,000	149,000	59
8	.....	1	3,780	4,800	12,675	60
67	.....	.....	27,870	29,800	80,950	61
8	.....	.....	3,140	3,185	10,885	62
2,160	468	125	1,059,440	3,728,001	6,437,945	63

lumber, sawed; mixed textiles; models and patterns; musical instruments, organs, and materials; musical instruments, pianos, and materials; oil, linseed; paints; patent medicines and compounds; pickles, preserves and sauces; refrigerators; roofing and roofing materials; safes, doors, and vaults, fire-proof; scales and balances; show-cases; starch; steam fittings and heating apparatus; stencils and brands; stereotyping and electrotyping; straw goods; tools; toys and games; type founding; wood preserving; wood, turned and carved; and woolen goods.

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF NEWARK.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
	All industries	1,319	25,679,885
1	Blacksmithing	45	19,425
2	Boot and shoe uppers	4	18,100
3	Boots and shoes, including custom work and repairing	44	432,760
4	Boxes, fancy and paper	9	96,800
5	Brass castings	11	135,000
6	Bread and other bakery products	83	181,460
7	Brooms and brushes	9	29,375
8	Buttons	17	188,100
9	Carpentering	62	222,550
10	Carpets, rag	8	2,185
11	Carriage and wagon materials	4	123,475
12	Carriages and wagons	16	264,450
13	Celluloid and celluloid goods	5	1,209,000
14	Cement	4	215,300
15	Clothing, men's	42	469,144
16	Clothing, women's	4	21,500
17	Coffee and spices, roasted and ground	3	50,000
18	Coffins, burial cases, and undertakers' goods	3	95,000
19	Confectionery	13	87,100
20	Cooperage	3	1,600
21	Corsets	8	103,800
22	Cotton goods	3	1,314,000
23	Cutlery and edge tools	22	274,211
24	Dentistry, mechanical	23	51,500
25	Drugs and chemicals	15	1,590,150
26	Engraving and die-sinking	11	70,300
27	Fancy articles	12	178,000
28	Files	6	50,900
29	Flouring- and grist-mill products	4	55,000
30	Foundery and machine-shop products	52	1,460,350
31	Furniture	19	153,450
32	Furs, dressed	3	23,200
33	Glass, cut, stained, and ornamented	4	33,000
34	Gold and silver, reduced and refined	4	60,000
35	Hardware	28	292,350
36	Hardware, saddlery	35	750,200
37	Hat and cap materials	4	19,500
38	Hats and caps, not including wool hats	33	721,300
39	Ink	3	32,700
40	Iron and steel	3	600,000
41	Jewelry	65	2,517,899
42	Kindling wood	13	11,450
43	Lamps and reflectors	3	42,500
44	Lapidary work	6	5,400
45	Leather, curried	32	1,863,183
46	Leather, tanned	27	1,652,350
47	Liquors, malt	19	1,612,800
48	Looking-glass and picture frames	7	17,530
49	Lumber, planed	3	24,000
50	Marble and stone work	14	182,135
51	Masonry, brick and stone	8	56,000
52	Mattresses and spring beds	3	2,550
53	Mineral and soda waters	8	35,200
54	Models and patterns	5	5,250
55	Painting and paperhanging	28	20,875
56	Photographing	11	14,650
57	Plumbing and gasfitting	43	200,050
58	Printing and publishing	23	273,950
59	Saddlery and harness	38	494,625
60	Sash, doors, and blinds	12	231,375

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF NEWARK.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
22, 151	5, 246	2, 649	*Dollars.* 13, 171, 339	*Dollars.* 44, 604, 335	*Dollars.* 69, 252, 705	
70	.....	3	36, 030	30, 637	109, 258	1
11	6	2	10, 072	30, 940	51, 000	2
793	233	72	562, 331	1, 148, 583	1, 949, 872	3
82	333	57	114, 838	120, 350	357, 450	4
197	4	6	94, 630	100, 468	273, 110	5
249	9	16	139, 415	677, 948	999, 211	6
39	20	10	29, 158	40, 817	89, 192	7
376	199	158	258, 510	224, 500	613, 380	8
1, 072	.....	23	554, 510	653, 618	1, 390, 874	9
5	.....	.....	1, 772	2, 620	7, 700	10
95	.....	.....	53, 969	93, 461	202, 506	11
243	1	6	142, 663	186, 450	422, 817	12
452	174	109	242, 498	388, 262	1, 251, 540	13
76	.....	.....	34, 045	79, 650	140, 700	14
463	559	27	448, 898	1, 155, 044	2, 077, 351	15
10	23	.....	10, 325	34, 800	59, 300	16
19	.....	.....	11, 289	49, 350	77, 784	17
33	.....	6	29, 880	35, 000	93, 500	18
129	14	6	62, 277	367, 905	521, 350	19
7	.....	.....	3, 115	5, 950	11, 415	20
53	340	61	113, 698	213, 080	368, 133	21
305	894	155	433, 955	545, 462	1, 598, 397	22
433	1	78	243, 132	195, 172	548, 705	23
7	2	7	6, 285	22, 834	96, 484	24
417	25	22	202, 406	766, 982	1, 280, 329	25
62	7	8	43, 555	15, 582	89, 954	26
337	31	162	247, 351	158, 015	542, 499	27
139	8	29	74, 150	72, 250	169, 145	28
20	.....	.....	9, 201	186, 400	225, 118	29
1, 269	4	60	683, 364	910, 772	1, 957, 177	30
128	3	15	69, 520	93, 770	218, 603	31
13	9	5	10, 285	42, 315	78, 495	32
29	.....	4	16, 890	36, 912	64, 693	33
20	.....	1	9, 350	368, 386	424, 500	34
279	22	41	139, 863	376, 743	672, 736	35
788	133	150	410, 836	756, 541	1, 524, 008	36
41	7	1	24, 300	15, 300	57, 530	37
1, 637	572	104	909, 315	1, 269, 130	2, 596, 578	38
13	1	4	5, 500	16, 500	29, 000	39
281	.....	.....	126, 144	471, 946	771, 078	40
1, 726	259	178	1, 087, 446	1, 931, 054	4, 002, 677	41
41	.....	10	17, 766	28, 620	62, 723	42
29	1	20	19, 550	11, 860	48, 600	43
25	.....	4	9, 900	8, 200	29, 506	44
1, 207	25	77	729, 112	6, 744, 728	8, 300, 722	45
1, 142	3	66	680, 973	4, 952, 176	6, 345, 856	46
689	.....	.....	305, 933	1, 592, 798	2, 812, 300	47
18	.....	8	11, 156	26, 750	47, 650	48
60	.....	16	27, 850	57, 330	104, 785	49
216	.....	34	177, 359	108, 710	364, 775	50
58	.....	11	30, 811	59, 000	108, 546	51
5	2	1	3, 674	10, 500	17, 900	52
46	.....	6	22, 669	53, 970	93, 147	53
9	.....	.....	4, 351	2, 024	12, 077	54
87	.....	10	48, 648	65, 975	156, 159	55
22	1	4	13, 289	10, 004	41, 252	56
179	.....	18	104, 975	185, 420	382, 356	57
262	25	27	169, 463	156, 200	422, 505	58
628	69	25	274, 753	674, 430	1, 180, 404	59
283	30	19	136, 825	191, 089	386, 996	60

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—NEWARK—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
61	Sewing machines and attachments	6	203,300
62	Shirts	11	171,900
63	Silk and silk goods	3	328,500
64	Slaughtering and meat-packing, not including retail butchering establishments.	7	232,000
65	Soap and candles	3	20,300
66	Springs, steel, car and carriage	3	66,393
67	Stationery goods	6	42,000
68	Stone- and earthen-ware	6	38,700
69	Tinware, copperware, and sheet-iron ware	8	210,700
70	Tobacco, cigars and cigarettes	61	153,745
71	Trunks and valises	13	786,800
72	Umbrellas and canes	3	650
73	Upholstering	4	3,300
74	Upholstering materials	3	62,500
75	Varnish	16	390,000
76	Watch and clock repairing	12	14,500
77	Wheelwrighting	23	43,550
78	Wood, turned and carved	10	26,050
79	Miscellaneous industries (*a*)	72	1,944,990

a The 72 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: agricultural implements; awnings and tents; belting and hose, leather; bookbinding; boot and shoe findings; brick and tile; carriages and sleds, children's; clocks; cordage and twine; cork cutting; dyeing and cleaning; electric lights; electroplating; felt goods; fertilizers; food preparations; gas machines and meters; hammocks; handles, wooden; hosiery and knit goods; instruments, professional

CITY OF NEW ORLEANS.

	All industries	915	8,565,303
1	Blacksmithing	64	31,020
2	Bookbinding and blank-book making	6	11,000
3	Boot and shoe findings	9	57,200
4	Boots and shoes, including custom work and repairing	64	43,200
5	Boxes, fancy and paper	4	14,600
6	Boxes, wooden, packing	4	15,200
7	Bread and other bakery products	99	109,020
8	Brooms and brushes	6	11,750
9	Carpentering	22	58,600
10	Carriages and wagons	8	38,700
11	Clothing, men's	33	190,300
12	Clothing, women's	6	83,000
13	Coffee and spices, roasted and ground	3	1,300
14	Coffins, burial cases, and undertakers' goods	7	2,900
15	Confectionery	21	132,800
16	Cooperage	53	53,650
17	Cordials and sirups	4	48,000
18	Cotton-compressing	19	2,135,000
19	Dentistry, mechanical	3	9,200
20	Drugs and chemicals	7	16,700
21	Dyeing and cleaning	12	6,925
22	Flouring- and grist-mill products	4	69,600
23	Food preparations	4	16,000
24	Foundery and machine-shop products	20	738,375
25	Furniture	33	32,976
26	Galvanizing	3	700
27	Hairwork	6	6,100
28	Instruments, professional and scientific	3	1,600
29	Iron work, architectural and ornamental	3	1,800
30	Liquors, malt	8	157,613

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—NEWARK—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
1,009	.....	.....	430,654	692,100	1,062,150	61
60	513	21	164,549	264,094	507,806	62
95	158	61	105,140	280,390	468,250	63
88	.....	.....	53,822	1,368,288	1,527,660	64
7	.....	1	2,450	8,866	14,095	65
87	.....	1	44,050	125,250	191,100	66
44	4	14	20,748	17,040	58,200	67
42	1	3	24,138	10,694	53,750	68
256	37	72	118,916	359,584	515,913	69
176	46	33	102,892	331,672	550,372	70
1,106	90	167	549,322	1,059,855	2,013,923	71
2	.....	1	1,248	1,179	6,400	72
6	1	3	2,850	4,355	9,680	73
45	76	15	39,600	75,000	126,000	74
78	.....	3	52,262	521,007	792,774	75
15	.....	1	10,800	14,500	52,830	76
46	.....	7	25,791	28,135	75,660	77
27	.....	7	16,090	30,716	52,800	78
1,538	271	297	910,789	10,670,327	12,239,934	79

and scientific; iron railing, wrought; ivory and bone work; lasts; lime; lock- and gun-smithing; lumber, sawed; mixed textiles; mucilage and paste; musical instruments, pianos, and materials; oil-cloth, enameled; oilcloth, floor; oil, lubricating; paints; pickles, preserves, and sauces; refrigerators; roofing and roofing materials; rubber and elastic goods; sand and emery paper and cloth; saws; ship-building; silversmithing; silverware; smelting and refining; sporting goods; sugar and molasses, refined; surgical appliances; toys and games; watch and clock materials; wirework; and wooden ware.

CITY OF NEW ORLEANS.

7,666	1,286	552	3,717,557	10,771,892	18,808,096	
147	1	8	71,965	53,975	185,673	1
16	.....	3	10,211	5,520	24,369	2
40	2	6	20,270	98,932	171,080	3
269	.....	6	116,809	174,745	367,531	4
41	12	46	29,483	59,400	125,928	5
15	12	6	7,572	10,220	25,200	6
317	8	17	120,766	540,450	981,160	7
63	.....	3	22,614	89,381	134,619	8
262	.....	4	138,595	226,400	439,850	9
92	.....	6	51,196	46,500	135,600	10
276	628	30	175,971	743,407	1,078,559	11
2	273	.....	43,875	113,353	189,278	12
3	.....	1	1,524	9,510	11,876	13
9	.....	.....	2,911	4,122	13,866	14
86	11	17	33,754	274,571	393,040	15
256	.....	.....	109,839	105,704	276,618	16
30	.....	.....	11,966	43,000	82,000	17
560	.....	.....	399,780	105,788	747,500	18
6	.....	3	5,350	8,250	20,150	19
13	.....	.....	4,190	8,850	22,750	20
13	3	1	5,080	3,890	22,850	21
31	.....	.....	13,823	248,480	317,000	22
12	1	3	5,328	19,600	47,880	23
748	.....	9	405,745	596,800	1,228,300	24
62	1	6	30,281	35,429	104,593	25
1	.....	.....	360	700	3,050	26
6	6	.....	3,592	6,900	17,600	27
3	.....	.....	1,260	1,700	5,460	28
10	.....	.....	3,477	4,200	14,500	29
113	.....	.....	54,992	295,353	457,744	30

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—NEW ORLEANS—Cont'd.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
31	Lithographing	3	2,000
32	Lock- and gun-smithing	12	2,600
33	Looking-glass and picture frames	5	7,050
34	Lumber, planed	7	78,500
35	Lumber, sawed	6	152,200
36	Marble and stone work	11	62,550
37	Masonry, brick and stone	16	17,500
38	Mattresses and spring beds	3	3,450
39	Mineral and soda waters	7	29,100
40	Oil, cottonseed and cake	7	785,500
41	Painting and paperhanging	12	10,425
42	Photographing	12	39,100
43	Plumbing and gasfitting	9	16,300
44	Printing and publishing	25	303,050
45	Rice, cleaning and polishing	6	225,000
46	Saddlery and harness	23	169,500
47	Sash, doors, and blinds	4	285,000
48	Shipbuilding	17	145,200
49	Soap and candles	12	118,450
50	Sugar and molasses, refined	4	385,000
51	Surgical appliances	3	1,550
52	Tinware, copperware, and sheet-iron ware	34	94,300
53	Tobacco, chewing, smoking, and snuff	8	348,000
54	Tobacco, cigars, and cigarettes	47	175,674
55	Upholstering	12	8,325
56	Upholstering materials	3	30,000
57	Watch and clock repairing	13	11,600
58	Wheelwrighting	10	13,900
59	Wood, turned and carved	3	5,400
60	Miscellaneous industries (*a*)	43	944,250

a The 43 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: bags, other than paper; baskets, rattan and willow ware; brick and tile; brass castings; cars, railroad, street, and repairs; cordage and twine; cork cutting; cotton goods; cutlery and edge tools; fertilizers;

CITY OF NEW YORK.

	All industries	11,339	181,206,356
1	Artificial feathers and flowers	141	1,090,100
2	Artificial limbs	7	23,500
3	Awnings and tents	23	108,600
4	Bags, other than paper	7	655,500
5	Bags, paper	10	69,700
6	Baskets, rattan and willow ware	21	82,080
7	Belting and hose, leather	11	399,209
8	Billiard tables and materials	7	315,469
9	Blacking	4	110,500
10	Blacksmithing	205	282,463
11	Bookbinding and blank-book making	114	2,340,650
12	Boot and shoe findings	7	22,350
13	Boot and shoe uppers	18	45,934
14	Boots and shoes, including custom work and repairing	839	1,898,669
15	Boxes, cigar	20	340,800
16	Boxes, fancy and paper	55	672,075
17	Boxes, wooden, packing	33	358,500
18	Brass castings	64	885,171
19	Bread and other bakery products	782	2,032,036
20	Brooms and brushes	45	729,750
21	Buttons	9	155,000
22	Carpentering	460	1,745,782
23	Carriages and sleds, children's	9	127,000
24	Carriages and wagons	139	1,133,900
25	Cars, railroad, street, and repairs	13	316,748

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—NEW ORLEANS—Cont'd.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
8	.....	.....	4,500	3,250	13,500	31
11	.....	.....	2,700	1,980	11,670	32
6	.....	1	2,892	8,575	16,559	33
98	.....	4	44,873	162,610	267,280	34
53	.....	.....	17,595	180,985	234,340	35
65	.....	.....	32,575	61,208	134,490	36
85	.....	15	36,500	30,700	90,500	37
8	1	.....	2,712	25,500	39,200	38
37	.....	.....	18,312	24,350	75,900	39
836	15	65	275,165	1,630,150	2,751,150	40
98	.....	.....	30,412	33,800	86,000	41
37	6	2	27,390	19,399	79,765	42
31	.....	.....	17,441	40,500	71,600	43
503	4	17	407,946	226,600	764,036	44
162	.....	.....	56,040	1,328,387	1,573,281	45
144	1	15	74,674	204,750	370,505	46
159	.....	.....	81,800	246,000	432,000	47
194	.....	.....	99,366	101,965	263,050	48
45	.....	6	19,790	89,990	142,495	49
190	.....	.....	50,000	1,340,000	1,483,000	50
5	.....	.....	2,070	1,675	6,000	51
110	.....	3	51,271	105,890	199,559	52
127	6	88	70,540	242,100	424,085	53
680	187	87	179,999	152,156	506,612	54
15	.....	.....	3,335	9,575	20,640	55
21	41	2	19,530	100,000	153,000	56
23	.....	.....	14,795	8,346	32,379	57
25	.....	1	7,708	7,825	25,112	58
11	.....	.....	6,225	21,542	39,404	59
377	67	71	156,822	426,954	855,360	60

lags and banners; fruits and vegetables, canned and preserved; gold and silver, reduced and refined; ammocks; hardware; ice, artificial; japanning; leather, curried; leather, tanned; liquors, distilled; irrors; patent medicines and compounds; perfumery and cosmetics; plated and britannia ware; umps; stencils and brands; stone- and earthen-ware; trunks and valises; umbrellas and canes; and inegar.

CITY OF NEW YORK.

146,179	71,795	9,378	97,030,021	288,441,691	472,926,437	
453	2,941	104	934,768	2,241,302	4,298,684	1
17	.....	.....	11,137	6,056	44,620	2
120	77	7	74,212	314,808	457,035	3
259	406	82	317,850	2,919,600	3,584,300	4
123	95	.....	74,709	154,600	299,847	5
69	29	8	35,715	77,822	171,030	6
234	18	5	150,694	1,362,860	1,699,729	7
100	.....	2	63,174	278,443	439,330	8
86	.....	.....	56,500	171,000	452,660	9
548	.....	31	367,959	284,517	937,144	10
1,837	2,059	172	1,553,704	2,290,627	4,927,886	11
27	8	14	18,687	34,692	81,100	12
48	33	2	33,468	97,952	180,702	13
4,326	1,078	183	2,474,050	3,621,822	7,663,000	14
441	225	144	301,042	433,218	1,035,549	15
615	1,655	85	671,620	1,044,409	2,173,565	16
491	.....	24	306,682	715,790	1,242,844	17
1,074	62	194	576,971	884,737	1,826,845	18
2,443	283	111	1,275,723	6,045,762	9,415,424	19
506	146	42	281,924	981,918	1,573,561	20
93	693	66	178,618	167,336	491,027	21
3,438	.....	61	2,242,060	3,454,265	7,096,315	22
267	7	4	127,260	216,840	434,569	23
1,517	.....	85	965,719	1,041,825	2,613,361	24
339	.....	9	200,776	269,532	547,037	25

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—NEW YORK—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
26	Chocolate	4	55,500
27	Cloth-finishing	8	13,600
28	Clothing, men's	736	22,396,893
29	Clothing, women's	230	4,805,665
30	Coffee and spices, roasted and ground	30	1,439,650
31	Coffins, burial cases, and undertakers' goods	45	530,500
32	Collars and cuffs (not specified) (*a*)	7	537,000
33	Combs	3	2,300
34	Confectionery	187	1,521,758
35	Cooperage	44	257,800
36	Coppersmithing	25	435,702
37	Cork cutting	11	53,600
38	Corsets	21	179,900
39	Cotton goods	5	522,500
40	Cutlery and edge tools	21	41,900
41	Drugs and chemicals	27	2,027,923
42	Dyeing and cleaning	27	30,825
43	Dyeing and finishing textiles	23	475,500
44	Electroplating	58	170,050
45	Enameling	8	16,700
46	Engravers' materials	7	48,200
47	Engraving and die-sinking	98	143,780
48	Engraving, steel	21	531,300
49	Engraving, wood	58	16,178
50	Fancy articles	48	433,700
51	Fertilizers	8	502,000
52	Flags and banners	4	32,000
53	Flavoring extracts	5	19,500
54	Flouring- and grist-mill products	15	1,870,625
55	Food preparations	10	237,900
56	Foundery and machine-shop products	287	10,635,508
57	Fruits and vegetables, canned and preserved	4	200,000
58	Furnishing goods, men's (*b*)	42	840,209
59	Furniture	299	4,353,683
60	Furs, dressed	60	1,950,875
61	Galvanizing	8	273,000
62	Gas and lamp fixtures	14	2,105,000
63	Glass, cut, stained, and ornamented	98	557,980
64	Gloves and mittens	5	492,000
65	Gold and silver, reduced and refined	8	143,000
66	Gold and silver leaf and foil	20	144,500
67	Grease and tallow	11	461,334
68	Hairwork	43	132,575
69	Hand-knit goods	6	3,100
70	Hand-stamps	13	33,200
71	Hardware	67	568,590
72	Hat and cap materials	38	387,228
73	Hats and caps, not including wool hats	111	1,033,575
74	Hosiery and knit goods	8	310,000
75	Housefurnishing goods	5	11,250
76	Ink	3	59,000
77	Instruments, professional and scientific	44	304,750
78	Iron bolts, nuts, washers, and rivets	9	115,050
79	Iron pipe, wrought	7	329,500
80	Iron railing, wrought	29	104,450
81	Ivory and bone work	8	166,972
82	Japanning	9	8,750
83	Jewelry	240	2,531,838
84	Kindling wood	41	475,850
85	Lamps and reflectors	20	267,000
86	Lapidary work	26	99,250
87	Lard, refined	11	786,366
88	Lasts	3	7,500
89	Lead, bar, pipe, sheet, and shot	7	848,575
90	Leather, curried	14	234,110

a See also Furnishing goods, men's. *b* See also Collars and cuffs (not specified).

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—NEW YORK—Continued.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
39	44	.....	26,203	157,403	257,153	26
42	.....	2	17,188	26,656	91,129	27
30,444	16,972	231	14,012,805	40,209,340	60,798,697	28
1,569	10,750	47	3,886,715	11,745,305	18,930,553	29
363	64	13	267,670	4,766,520	5,974,458	30
273	136	9	218,175	525,503	1,098,103	31
90	420	4	160,033	688,611	1,061,284	32
10	.....	1	7,008	4,125	13,719	33
1,003	629	115	542,775	3,057,999	4,592,622	34
450	.....	5	243,922	501,288	895,571	35
368	.....	1	260,184	591,313	925,289	36
31	19	4	20,710	55,666	121,148	37
61	950	104	193,493	383,061	685,273	38
120	79	36	96,704	367,188	532,542	39
66	.....	2	43,791	17,113	93,760	40
383	198	7	305,969	2,639,415	3,694,178	41
44	20	.....	38,845	18,820	82,750	42
373	54	29	247,445	194,544	690,236	43
385	44	27	213,405	153,812	572,718	44
14	9	.....	8,820	9,174	38,083	45
56	3	.....	32,320	21,964	70,500	46
252	4	47	143,792	89,636	448,486	47
455	189	60	1,154,510	384,214	1,798,550	48
133	4	5	102,986	13,709	218,305	49
593	328	52	362,589	392,849	1,061,205	50
193	.....	5	88,463	172,122	314,961	51
5	31	.....	14,800	25,500	60,000	52
14	5	1	8,625	38,648	63,362	53
418	.....	.....	289,741	5,183,154	6,229,926	54
85	26	3	66,263	338,857	476,901	55
9,352	31	370	5,373,142	6,223,805	14,710,835	56
69	178	.....	56,200	335,000	450,000	57
258	1,409	35	559,864	1,746,741	2,977,096	58
5,531	192	215	3,361,306	4,204,602	9,605,779	59
830	1,588	22	868,615	2,943,357	4,474,018	60
229	.....	12	122,620	351,800	850,770	61
1,369	28	98	793,678	965,565	2,549,628	62
813	86	127	432,500	845,654	1,747,501	63
31	127	.....	63,600	569,950	916,500	64
78	.....	.....	52,852	2,525,795	2,614,877	65
240	102	8	177,690	320,810	554,172	66
278	3	6	160,074	6,242,761	6,871,175	67
67	236	11	111,512	236,646	510,309	68
2	42	.....	7,162	8,917	19,722	69
48	.....	1	25,478	23,330	99,560	70
923	18	77	543,979	615,199	1,479,492	71
408	274	15	275,214	651,092	1,157,826	72
1,283	1,302	46	1,120,846	2,097,760	4,008,503	73
81	367	53	174,349	376,760	664,214	74
21	.....	11	11,108	9,994	27,243	75
24	10	7	13,030	136,000	181,500	76
235	4	8	143,446	97,430	389,307	77
122	6	2	60,849	144,720	249,222	78
142	.....	12	56,519	468,071	626,065	79
180	.....	5	119,352	146,915	358,170	80
171	59	14	91,040	191,774	333,919	81
22	.....	15	13,876	4,283	30,100	82
1,962	213	106	1,365,611	2,533,916	5,002,198	83
442	8	88	217,042	727,958	1,213,088	84
296	3	9	171,499	243,739	602,567	85
90	11	16	80,226	128,682	313,230	86
492	.....	10	254,883	14,317,826	14,758,718	87
19	2	.....	9,219	3,600	28,516	88
95	3	1	53,145	1,189,492	1,619,217	89
78	.....	.....	50,393	336,532	447,319	90

TABLE LIII.—*Manufactures of* 20 *principal cities:* 1880—NEW YORK—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
91	Leather goods	45	481,100
92	Leather, tanned	9	1,065,500
93	Lithographing	48	1,227,550
94	Liquors, malt	79	13,491,000
95	Lock- and gun-smithing	70	65,625
96	Looking-glass and picture frames	81	680,350
97	Lumber, planed	43	883,197
98	Malt	15	3,150,000
99	Marble and stone work	146	2,257,388
100	Masonry, brick, and stone	90	668,650
101	Mattresses and spring beds	21	327,750
102	Millinery and lace goods	88	1,251,180
103	Mineral and soda waters	27	483,948
104	Mixed textiles	74	1,787,350
105	Models and patterns	21	24,300
106	Musical instruments, organs, and materials	34	346,525
107	Musical instruments, pianos, and materials	48	4,462,370
108	Oil, lubricating	4	36,800
109	Oleomargarine	4	610,500
110	Painting and paperhanging	293	841,914
111	Paints	26	1,581,600
112	Paperhangings	11	1,965,000
113	Patent medicines and compounds	44	828,500
114	Pens, gold	8	227,550
115	Perfumery and cosmetics	16	377,050
116	Photographing	110	441,100
117	Pickles, preserves, and sauces	13	294,700
118	Pipes, tobacco	10	85,700
119	Plumbing and gasfitting	401	967,858
120	Pocket-books	33	282,650
121	Printing and publishing	412	14,774,929
122	Printing materials	5	64,000
123	Pumps, not including steam pumps	14	54,650
124	Refrigerators	18	206,528
125	Regalia and society banners and emblems	12	161,200
126	Roofing and roofing materials	88	260,730
127	Rubber and elastic goods	14	425,200
128	Saddlery and harness	174	400,272
129	Safes, doors, and vaults, fire-proof	5	304,000
130	Sash, doors, and blinds	29	241,600
131	Scales and balances	6	167,500
132	Sewing machines and attachments	6	61,500
133	Shipbuilding	79	1,409,100
134	Shirts	64	1,647,700
135	Show-cases	14	45,500
136	Silk and silk goods	126	3,431,450
137	Silverware	16	1,049,600
138	Slaughtering and meat-packing, not including retail butchering establishments.	58	1,801,000
139	Soap and candles	30	2,931,325
140	Spectacles and eyeglasses	23	49,450
141	Sporting goods	14	613,000
142	Stamped ware	8	49,140
143	Stationery goods	73	1,500,925
144	Steam fittings and heating apparatus	16	712,500
145	Stone- and earthen-ware	8	183,900
146	Sugar and molasses, refined	5	2,730,000
147	Surgical appliances	11	40,600
148	Telegraph and telephone apparatus	21	299,508
149	Tinware, copperware, and sheet-iron ware	177	993,720
150	Tobacco, chewing, smoking, and snuff	17	1,015,540
151	Tobacco, cigars, and cigarettes	761	5,858,448
152	Toys and games	15	143,550
153	Trunks and valises	34	226,050
154	Type founding	20	779,500
155	Umbrellas and canes	61	989,550

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—NEW YORK—Continued.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
781	129	37	425, 280	951, 573	1, 762, 278	91
375	23	17	171, 418	909, 219	1, 161, 177	92
968	54	117	667, 762	602, 960	1, 738, 452	93
4, 245	.....	.....	2, 115, 067	10, 717. 421	19, 137, 882	94
96	2	23	63, 143	67, 547	214, 110	95
923	7	64	485, 935	1, 177, 407	2, 071, 565	96
736	.....	26	425, 983	1, 152, 860	2, 220, 919	97
399	.....	.....	223, 678	2, 634, 413	3, 350, 731	98
2, 850	.....	99	2, 080, 563	2, 193, 983	5, 771, 069	99
1, 161	.....	20	708, 777	1, 133, 852	2, 334, 659	100
206	83	9	150, 215	671. 066	1, 023, 494	101
678	2, 665	128	996, 480	3, 237, 908	5, 153. 080	102
384	.....	41	242, 582	302, 387	784, 373	103
1, 372	2, 834	495	1, 285, 649	2, 336, 577	4, 825, 424	104
64	.....	3	44, 621	18, 169	100, 760	105
216	8	20	146, 893	114, 581	371, 421	106
3, 213	.....	32	2, 821, 687	2, 972, 765	6, 913, 691	107
17	.....	.....	7, 300	58, 600	78, 750	108
248	.....	.....	113, 676	4, 322, 695	5, 215, 393	109
1, 794	19	39	1, 099, 719	1, 186, 478	3, 058, 487	110
439	22	24	250, 865	2, 144, 321	2, 932, 049	111
825	84	420	415, 120	2, 054, 104	3, 499, 143	112
176	133	22	146, 773	570, 332	1, 302, 313	113
121	5	16	116, 279	142, 366	365, 782	114
135	162	4	92, 237	625, 900	1, 094, 700	115
583	162	23	363. 158	343, 177	1, 140, 427	116
102	65	30	47, 660	272, 250	527, 856	117
152	13	11	87, 258	102. 788	262, 188	118
1, 889	1	118	1, 128, 260	1, 869, 728	3, 900, 414	119
489	76	54	284, 173	530, 373	1, 028, 352	120
8, 015	979	584	5, 876, 868	7, 359, 559	21, 696, 354	121
43	.....	5	28, 850	79, 100	151, 000	122
51	.....	.....	35, 323	70, 896	151, 994	123
236	1	8	116, 067	270, 224	503, 869	124
56	16	3	30, 471	59, 701	142, 363	125
499	.....	16	294, 540	483, 561	993, 110	126
242	149	14	189, 425	495, 338	859, 262	127
520	13	30	314, 444	405, 032	1, 037, 768	128
302	.....	15	169, 598	248, 410	518, 516	129
461	.....	9	258, 017	481, 458	867, 995	130
81	.....	1	55, 304	66, 186	168, 234	131
180	3	13	110, 900	71, 950	269, 100	132
941	.....	.....	778, 728	915, 110	2, 071, 005	133
574	2, 814	13	1, 195, 581	3, 574, 215	5, 608, 015	134
94	.....	1	55, 123	76, 300	168, 980	135
1, 975	4, 531	1, 435	2, 079, 535	3, 857, 330	7, 800, 250	136
682	28	95	556, 903	688, 402	1, 527, 600	137
876	.....	19	575, 521	27, 763, 577	29, 297, 527	138
496	85	53	275, 804	2, 790, 545	3, 697, 964	139
83	.....	7	46, 662	32, 493	120, 808	140
120	257	17	127, 643	199, 582	486, 417	141
44	.....	33	28, 180	41, 941	97, 280	142
925	664	92	676, 547	1, 840, 317	3, 179, 734	143
481	.....	5	305, 198	848, 268	1, 295, 259	144
189	11	6	90, 828	70, 020	209, 600	145
554	.....	.....	255, 783	10, 677, 746	11, 330, 883	146
16	12	1	9, 668	11, 243	60, 448	147
379	31	6	263, 444	305, 566	753, 439	148
1, 419	22	164	748, 208	1, 611, 389	3, 063, 501	149
826	750	46	645, 237	2, 687, 697	4, 320, 972	150
9, 423	4, 575	478	6, 066, 455	8, 805, 147	18, 347, 108	151
218	195	57	83, 689	96, 783	257, 113	152
270	18	22	171, 716	369, 581	666, 766	153
413	106	54	326, 856	224, 850	793, 257	154
540	786	19	520, 739	2, 424, 070	3, 456, 144	155

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—NEW YORK—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
156	Upholstering	91	592,037
157	Vault lights and ventilators	10	128,450
158	Vinegar	5	121,500
159	Watch and clock repairing	55	163,255
160	Whalebone and rattan	6	71,950
161	Wheelwrighting	175	210,680
162	Window blinds and shades	11	146,350
163	Wirework	38	478,100
164	Wood, turned and carved	94	507,520
165	Miscellaneous industries (*a*)	53	5,701,150

a The 53 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: axle-grease; babbitt metal and solder; baking and yeast powders; bluing; bridges; brick and tile; bronze castings; calcium lights; carpets, other than rag; cigar molds; cleansing and polishing preparations; cordage and twine; electrical apparatus; felt goods; files; gas machines and meters; iron and steel;

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	All industries	8,567	187,148,857
1	Agricultural implements	8	454,000
2	Artificial feathers and flowers	6	81,500
3	Artificial limbs	5	10,300
4	Awnings and tents	14	42,900
5	Bags, other than paper	5	198,000
6	Bags, paper	11	305,200
7	Baking and yeast powders	3	9,000
8	Baskets, rattan and willow ware	11	26,900
9	Belting and hose, leather	8	279,750
10	Billiard tables and materials	3	25,000
11	Blacking	4	175,000
12	Blacksmithing	258	397,730
13	Bluing	4	50,200
14	Bone-, ivory-, and lamp-black	3	418,000
15	Bookbinding and blank-book making	51	853,250
16	Boot and shoe findings	15	95,450
17	Boot and shoe uppers	4	7,800
18	Boots and shoes, including custom work and repairing	581	2,970,190
19	Boxes, cigar	12	59,150
20	Boxes, fancy and paper	33	417,000
21	Boxes, wooden, packing	46	329,870
22	Brass castings	38	782,001
23	Bread and other bakery products	849	2,633,908
24	Brick and tile	78	2,342,453
25	Bronze castings	4	110,150
26	Brooms and brushes	60	447,884
27	Buttons	16	156,400
28	Card cutting and designing	5	8,993
29	Carpentering	326	1,556,630
30	Carpets, other than rag	170	7,194,483
31	Carpets, rag	58	61,375
32	Carriage and wagon materials	4	75,600
33	Carriages and sleds, children's	8	44,800
34	Carriages and wagons	110	1,921,300
35	Cars, railroad, street, and repairs	19	1,397,792
36	Cleansing and polishing preparations	4	176,300
37	Cloth-finishing	5	107,000
38	Clothing, men's	426	8,726,276
39	Clothing, women's	49	792,950
40	Coffee and spices, roasted and ground	16	509,500

TABLE LIII.—*Manufactures of 20 principal cities: 1880*—NEW YORK—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
452	232	38	294, 840	1, 255, 276	1, 952, 289	156
89	.....	.....	50, 285	75, 140	210, 216	157
32	.....	2	17, 116	143, 500	205, 050	158
149	3	2	89, 990	207, 515	361, 641	159
47	7	.....	24, 997	223, 016	277, 000	160
430	.....	19	251, 290	263, 093	756, 406	161
109	11	4	81, 664	101, 850	282, 000	162
561	42	160	373, 666	540, 618	1, 250, 306	163
784	3	38	441, 547	673, 614	1, 351, 789	164
1, 581	1, 809	266	1, 479, 670	5, 693, 964	8, 968, 184	165

iron forgings; iron work, architectural and ornamental; jewelry and instrument cases; labels and tags; matches; mirrors; musical instruments and materials (not specified); needles and pins; oil, lard; saws; shoddy; soda-water apparatus; springs, steel, car and carriage; stereotyping and electrotyping; straw goods; taxidermy; tinfoil; wooden ware; worsted goods.

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113, 075	56, 818	15, 634	64, 265, 966	199, 155, 477	324, 342, 935	
336	.....	8	179, 547	392, 875	739, 808	1
34	264	84	65, 330	91, 070	229, 500	2
16	.....	.....	5, 324	2, 000	11, 700	3
79	50	11	25, 964	85, 989	143, 984	4
42	110	.....	40, 215	478, 820	551, 000	5
96	261	6	94, 543	510, 327	712, 128	6
7	6	1	3, 548	26, 000	48, 500	7
16	.....	26	7, 154	20, 291	33, 011	8
74	.....	6	41, 165	361, 871	467, 545	9
16	.....	.....	10, 300	26, 300	49, 700	10
42	97	5	44, 488	220, 061	479, 466	11
611	.....	23	299, 259	347, 786	926, 533	12
17	19	1	12, 500	25, 438	75, 300	13
76	2	16	28, 900	213, 500	282, 000	14
812	795	138	557, 419	709, 317	1, 631, 970	15
53	57	2	40, 821	100, 230	174, 420	16
6	14	3	5, 370	13, 893	23, 175	17
4, 931	2, 337	267	2, 788, 409	4, 819, 017	9, 034, 496	18
51	25	13	28, 145	70, 480	145, 612	19
208	1, 172	55	263, 216	376, 762	838, 688	20
369	11	47	169, 990	443, 531	722, 767	21
541	19	65	246, 812	832, 830	1, 369, 151	22
2, 014	221	113	918, 666	3, 613, 201	5, 735, 533	23
2, 646	.....	311	836, 108	444, 591	1, 698, 536	24
41	.....	1	21, 583	394, 589	501, 412	25
455	56	199	190, 105	416, 276	792, 179	26
317	166	112	164, 113	141, 339	377, 482	27
15	12	6	8, 665	10, 920	33, 320	28
2, 695	.....	6	1, 338, 545	3, 014, 648	5, 131, 862	29
5, 686	2, 378	759	3, 029, 331	8, 964, 581	14, 263, 510	30
146	1	12	47, 254	97, 419	196, 060	31
48	.....	.....	20, 200	65, 200	101, 000	32
80	2	1	37, 751	99, 651	171, 742	33
1, 562	.....	16	767, 834	823, 643	2, 057, 119	34
1, 192	2	3	567, 852	2, 321, 956	3, 174, 145	35
31	3	7	16, 100	37, 175	110, 000	36
64	11	17	32, 702	36, 236	92, 000	37
6, 716	10, 849	81	4, 085, 239	11, 853, 139	18, 506, 748	38
308	2, 300	48	479, 436	1, 503, 610	2, 466, 410	39
121	64	4	75, 753	1, 068, 586	1, 294, 986	40

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—PHILADELPHIA—Cont'd.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
41	Coffins, burial cases, and undertakers' goods	33	191,300
42	Combs	4	46,500
43	Confectionery	173	1,236,390
44	Cooperage	72	424,650
45	Coppersmithing	8	145,500
46	Cordage and twine	10	925,500
47	Cork cutting	7	45,050
48	Corsets	10	62,800
49	Cotton goods	145	8,332,550
50	Crucibles	5	170,250
51	Cutlery and edge tools	33	1,120,292
52	Dentists' materials	4	715,000
53	Drugs and chemicals	54	10,185,164
54	Dyeing and cleaning	11	32,050
55	Dyeing and finishing textiles	57	2,359,846
56	Electrical apparatus and supplies	3	15,000
57	Electroplating	20	83,463
58	Engravers' materials	3	5,300
59	Engraving and die-sinking	14	41,150
60	Engraving, steel	5	49,550
61	Engraving, wood	20	17,725
62	Fancy articles	18	153,600
63	Fertilizers	13	610,400
64	Files	12	229,450
65	Fire-arms	3	65,000
66	Flouring- and grist-mill products	17	237,800
67	Food preparations	10	376,500
68	Foundery and machine-shop products	226	12,231,058
69	Fruits and vegetables, canned and preserved	7	252,000
70	Furnishing goods, men's	21	123,740
71	Furniture	195	3,149,073
72	Furniture, chairs	23	90,850
73	Furs, dressed	15	235,000
74	Galvanizing	5	330,000
75	Gas and lamp fixtures	5	251,500
76	Gas machines and meters	9	468,500
77	Glass	10	1,202,419
78	Glass, cut, stained, and ornamented	13	55,100
79	Glue	3	1,657,500
80	Gold and silver leaf and foil	7	224,000
81	Grease and tallow	11	268,975
82	Hairwork	18	84,100
83	Hand-knit goods	6	82,100
84	Hardware	39	575,700
85	Hat and cap materials	6	39,600
86	Hats and caps, not including wool hats	63	792,253
87	Hosiery and knit goods	95	3,402,690
88	Ink	11	395,809
89	Instruments, professional and scientific	26	347,086
90	Iron and steel	16	2,999,245
91	Iron bolts, nuts, washers, and rivets	10	876,500
92	Iron forgings	10	323,800
93	Iron nails and spikes, cut and wrought	4	21,350
94	Iron pipe, wrought	3	615,000
95	Iron railing, wrought	15	100,250
96	Ivory and bone work	10	208,750
97	Japanning	5	13,100
98	Jewelry	29	426,901
99	Jewelry and instrument cases	3	25,000
100	Kindling wood	27	93,550
101	Lamps and reflectors	11	123,550
102	Lasts	6	37,400
103	Lead, bar, pipe, sheet, and shot	3	365,000
104	Leather, curried	22	251,706
105	Leather, dressed skins	54	2,584,747

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—PHILADELPHIA—Cont'd.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
119	12	2	70,147	131,720	309,000	41
62	2	3	31,906	39,200	81,420	42
742	412	163	355,339	1,834,108	2,653,074	43
643	.....	17	258,270	586,245	997,601	44
87	2	1	47,104	139,749	238,923	45
301	178	158	220,033	1,090,500	1,541,748	46
33	12	19	19,264	26,810	59,000	47
20	171	2	44,018	129,061	205,505	48
3,784	5,099	1,910	3,073,791	8,422,633	14,268,696	49
50	.....	.....	26,660	144,271	212,189	50
784	6	68	349,917	305,873	942,522	51
255	60	11	156,175	159,000	564,000	52
1,856	337	44	1,063,056	7,481,307	11,804,793	53
48	1	2	10,747	23,540	49,600	54
1,462	188	202	789,709	1,773,696	4,316,405	55
16	.....	1	7,472	7,149	20,770	56
71	4	11	34,102	32,175	100,594	57
7	.....	1	6,920	3,700	11,764	58
52	1	4	28,288	18,421	74,546	59
41	10	18	30,630	24,695	89,433	60
72	3	2	46,088	12,965	95,559	61
127	39	13	76,155	129,512	254,506	62
259	.....	1	114,101	668,281	977,750	63
266	4	69	115,275	145,628	318,513	64
53	.....	3	25,500	18,500	64,500	65
82	.....	.....	37,947	1,693,531	1,954,715	66
100	83	10	61,127	226,722	371,003	67
9,305	68	563	4,635,977	6,179,841	13,455,238	68
72	138	32	59,442	454,000	553,700	69
61	331	36	87,540	317,736	498,507	70
2,821	60	108	1,337,419	2,461,654	4,839,853	71
237	12	45	132,058	164,163	389,194	72
50	151	5	58,900	290,800	493,700	73
210	.....	5	103,632	678,320	912,875	74
283	43	11	133,759	93,085	355,228	75
354	7	15	151,653	223,498	464,804	76
1,358	128	751	655,023	696,393	1,621,959	77
102	12	10	49,545	47,333	134,962	78
438	75	47	157,000	1,190,700	1,626,000	79
156	157	10	134,800	339,750	519,344	80
68	.....	1	39,379	933,943	1,120,198	81
23	57	6	20,677	40,260	83,737	82
16	566	315	82,700	107,335	215,000	83
496	9	73	246,017	423,770	853,588	84
21	2	5	11,430	79,600	132,100	85
1,237	549	50	702,889	1,058,691	2,300,786	86
2,103	4,935	1,268	2,009,528	4,530,480	8,173,415	87
79	4	11	60,508	168,175	358,059	88
224	7	14	137,798	87,307	349,126	89
1,897	.....	171	1,045,570	2,580,512	4,257,179	90
801	60	218	307,581	767,388	1,395,606	91
325	.....	20	128,422	323,893	561,487	92
11	1	5	5,383	17,735	30,518	93
574	1	12	92,000	319,000	510,000	94
108	.....	1	35,845	99,648	180,032	95
251	29	63	111,638	151,499	353,019	96
33	8	4	8,765	8,298	26,625	97
378	24	27	210,369	410,166	789,886	98
37	13	.....	11,300	13,600	35,000	99
103	.....	14	34,162	102,698	177,620	100
86	12	6	47,958	51,326	137,036	101
29	8	16	18,295	10,890	44,234	102
29	.....	2	23,076	620,500	753,000	103
123	1	2	72,950	761,037	907,552	104
2,068	102	88	1,158,148	4,895,342	6,741,796	105

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—PHILADELPHIA—Cont'd.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
106	Leather, tanned	6	440,165
107	Liquors, malt	96	7,258,350
108	Lithographing	23	647,550
109	Lock- and gun-smithing	29	57,400
110	Looking-glass and picture frames	55	700,143
111	Lumber, planed	5	209,000
112	Lumber, sawed	9	383,300
113	Malt	18	2,075,000
114	Mantels, slate, marble, and marbleized	8	61,800
115	Marble and stone work	110	1,764,488
116	Masonry, brick and stone	78	256,100
117	Matches	3	106,300
118	Mattresses and spring beds	25	121,250
119	Millinery and lace goods	40	593,300
120	Mineral and soda waters	13	107,000
121	Mixed textiles	87	8,391,651
122	Models and patterns	23	58,525
123	Musical instruments and materials (not specified)	6	16,200
124	Musical instruments, organs, and materials	8	37,000
125	Musical instruments, pianos, and materials	5	169,500
126	Oil, lubricating	3	43,000
127	Painting and paperhanging	349	727,227
128	Paints	21	1,776,742
129	Paperhangings	4	820,000
130	Paper (not specified)	7	960,000
131	Patent medicines and compounds	35	1,648,800
132	Perfumery and cosmetics	8	132,867
133	Photographing	47	267,450
134	Photographing materials	3	41,000
135	Pickles, preserves, and sauces	6	21,900
136	Pipes, tobacco	5	70,600
137	Plated and britannia ware	9	136,200
138	Plumbing and gasfitting	241	719,744
139	Pocket-books	5	250,000
140	Printing and publishing	181	5,728,911
141	Printing materials	5	45,200
142	Pumps, not including steam pumps	3	27,500
143	Refrigerators	6	75,992
144	Regalia and society banners and emblems	11	78,890
145	Roofing and roofing materials	105	365,755
146	Saddlery and harness	116	333,964
147	Safes, doors, and vaults, fire-proof	4	117,000
148	Sash, doors, and blinds	25	819,771
149	Saws	3	1,402,500
150	Scales and balances	7	123,000
151	Sewing machines and attachments	6	1,170,300
152	Shipbuilding	51	3,321,731
153	Shirts	49	708,294
154	Shoddy	8	125,500
155	Show-cases	7	19,950
156	Silk and silk goods	47	1,313,900
157	Silverware	6	102,000
158	Slaughtering and meat-packing, not including retail butchering establishments.	19	1,965,625
159	Soap and candles	32	1,410,262
160	Sporting goods	3	26,000
161	Springs, steel, car and carriage	7	297,500
162	Stationery goods	8	52,500
163	Steam fittings and heating apparatus	12	215,000
164	Stencils and brands	10	66,100
165	Stereotyping and electrotyping	5	226,000
166	Stone- and earthen-ware	7	237,500
167	Straw goods	6	46,200
168	Sugar and molasses, refined	11	6,072,000
169	Surgical appliances	6	120,500
170	Telegraph and telephone apparatus	3	37,000

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—PHILADELPHIA—Cont'd.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
47	.....	.....	28,717	231,725	308,970	106
1,311	.....	1	720,069	3,409,205	5,897,811	107
472	64	59	259,978	255,692	743,331	108
48	.....	4	23,922	27,330	81,573	109
663	18	67	312,889	558,094	1,180,400	110
112	.....	5	47,366	184,371	292,634	111
151	.....	.....	89,366	444,635	610,464	112
225	.....	.....	79,902	1,441,230	1,879,460	113
124	.....	2	47,812	86,851	174,136	114
1,418	.....	2	683,818	1,026,589	2,104,721	115
556	.....	1	246,727	328,641	735,838	116
18	32	11	14,393	69,455	184,000	117
112	46	13	46,463	250,090	353,399	118
85	1,139	54	205,942	1,063,779	1,518,578	119
155	.....	1	61,338	135,570	242,615	120
4,009	5,394	1,212	3,120,014	8,759,101	14,998,779	121
94	10	4	52,132	27,151	117,639	122
21	2	.....	13,222	7,180	29,500	123
40	.....	5	14,254	8,340	32,164	124
153	.....	1	87,044	81,145	217,924	125
40	.....	.....	16,480	267,311	330,870	126
1,986	3	30	792,067	784,484	2,097,052	127
375	24	2	219,450	1,546,326	2,068,505	128
263	1	137	161,120	384,252	708,979	129
343	109	.....	201,850	871,000	1,411,830	130
141	112	2	130,995	366,934	1,159,198	131
34	53	3	32,515	148,488	229,305	132
169	85	10	109,203	86,381	317,120	133
11	27	2	13,510	50,400	81,000	134
23	3	1	7,312	55,662	86,280	135
219	13	42	89,565	66,800	209,500	136
140	30	10	52,474	70,542	149,805	137
954	.....	28	402,186	758,213	1,510,645	138
271	209	48	120,000	219,500	412,000	139
3,707	470	909	2,141,415	2,849,913	6,834,964	140
38	.....	5	22,470	18,298	52,366	141
10	.....	.....	3,890	20,355	36,984	142
39	.....	1	20,595	68,180	107,963	143
46	123	6	34,273	75,085	139,834	144
439	3	4	185,748	283,982	620,167	145
434	7	13	178,725	369,038	729,299	146
110	.....	.....	67,500	81,015	195,930	147
543	.....	8	265,263	426,866	802,109	148
1,051	6	134	587,750	566,780	1,517,000	149
151	.....	9	77,511	56,350	195,500	150
434	8	51	223,500	221,650	618,977	151
1,706	.....	.....	1,273,322	1,529,504	3,267,981	152
171	2,169	52	531,994	1,028,104	1,796,311	153
56	33	2	28,997	400,977	481,895	154
30	.....	3	15,416	22,540	53,515	155
953	1,708	259	620,620	1,615,485	3,162,340	156
68	3	4	44,131	75,283	169,384	157
359	.....	.....	165,353	7,042,781	7,869,114	158
345	60	27	266,085	1,412,038	2,033,403	159
30	11	1	19,500	20,000	55,000	160
158	.....	4	77,662	437,770	611,900	161
41	15	24	18,557	205,600	263,912	162
239	.....	11	104,906	220,342	451,380	163
42	2	6	19,592	36,432	85,683	164
172	17	2	104,982	51,050	223,500	165
195	20	20	76,700	40,410	187,900	166
46	187	6	46,000	165,704	222,218	167
1,073	.....	5	474,017	21,943,943	24,294,929	168
63	44	4	43,314	69,821	149,273	169
33	.....	3	9,643	21,344	37,840	170

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—PHILADELPHIA—Cont'd.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
171	Terra-cotta ware	4	71,000
172	Tinware, copperware, and sheet-iron ware	272	1,334,322
173	Tobacco, chewing, smoking, and snuff	4	274,000
174	Tobacco, cigars, and cigarettes	473	1,268,465
175	Tools	6	1,541,282
176	Toys and games	8	79,100
177	Trunks and valises	21	113,100
178	Type founding	4	810.000
179	Umbrellas and canes	28	1,368,900
180	Upholstering	71	189,000
181	Upholstering materials	3	95,000
182	Varnish	5	228,000
183	Vinegar	8	50,285
184	Washing-machines and clothes-wringers	3	2,500
185	Watch and clock repairing	14	46,065
186	Watch cases	9	530,175
187	Wheelwrighting	87	140,275
188	Whips	5	23,500
189	Window blinds and shades	23	95,950
190	Wire	3	60,500
191	Wirework	14	97,250
192	Wood, turned and carved	31	170,950
193	Wooden ware	8	196.000
194	Woolen goods	89	11,752,900
195	Worsted goods	24	4,459,639
196	Miscellaneous industries (*a*)	55	4,974,144

a The 55 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced; cardboard; carpets, wood; cheese and butter; clothing, horse; coal tar; collars and cuffs, paper; dentistry, mechanical; foundery supplies; gloves and mittens; gold and silver, reduced and refined; grindstones; hand-stamps; housefurnishing goods; iron work, architectural and ornamental; lard,

CITY OF PITTSBURGH.

	All industries	1,112	52,645,010
1	Agricultural implements	4	600,000
2	Baking and yeast powders	3	18,000
3	Blacksmithing	45	40,075
4	Bookbinding and blank-book making	3	9,000
5	Boot and shoe uppers	3	13,500
6	Boots and shoes, including custom work and repairing	25	494,320
7	Boxes, fancy and paper	4	13,000
8	Brass castings	12	175,500
9	Bread and other bakery products	62	384,320
10	Brick and tile	19	322,900
11	Bridges	3	590,000
12	Brooms and brushes	6	77,300
13	Carpentering	32	60,389
14	Carpets, rag	6	2,424
15	Carriages and wagons	16	241,300
16	Cars, railroad, street, and repairs	4	102,500
17	Clothing, men's	92	750,000
18	Clothing, women's	16	29,000
19	Coffee and spices, roasted and ground	9	330,000
20	Coffins, burial cases, and undertakers' goods	4	53,500
21	Coke	10	262,650
22	Confectionery	7	85,200
23	Cooperage	17	494,735
24	Cutlery and edge tools	3	355,000
25	Drugs and chemicals	5	251,448

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—PHILADELPHIA—Cont'd.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
55	.....	.....	16,150	18,150	57,000	171
1,480	48	118	698,297	1,305,687	2,660,969	172
79	54	15	40,400	288,351	500,570	173
1,742	253	143	802,546	1,085,525	2,617,725	174
661	.....	.....	279,214	216,458	695,160	175
99	77	149	50,278	51,525	138,886	176
139	.....	3	62,485	160,022	280,742	177
279	2	25	146,694	89,400	417,132	178
616	996	165	478,847	1,777,364	2,804,874	179
218	60	18	114,563	292,950	554,230	180
15	49	.....	24,100	71,000	122,000	181
53	.....	7	29,140	159,275	307,910	182
26	1	3	19,280	81,644	120,960	183
5	.....	.....	1,700	850	4,050	184
16	1	2	9,184	9,905	30,772	185
363	54	10	208,722	492,480	908,180	186
188	.....	6	86,568	86,932	252,997	187
23	.....	6	8,250	13,200	44,000	188
104	17	16	40,133	133,767	230,616	189
24	12	.....	13,300	77,810	100,950	190
109	1	51	58,816	142,441	268,382	191
302	17	48	113,383	108,743	280,652	192
86	.....	.....	35,950	49,560	112,315	193
5,316	4,543	1,385	3,506,951	14,211,518	21,349,810	194
1,477	2,071	789	1,295,168	6,000,940	8,327,282	195
1,506	804	107	858,368	4,796,307	7,080,594	196

refined; lightning-rods; liquors, distilled; millstones; mucilage and paste; oil, lard; oil, linseed; oil-cloth, floor; oleomargarine; paving materials; pens, steel; registers, car fare; rubber and elastic goods; sand and emery paper and cloth; sewing-machine cases; soda-water apparatus; spectacles and eyeglasses; stamped ware; taxidermy; tinfoil; wood pulp; and zinc.

CITY OF PITTSBURGH.

32,011	1,681	3,238	17,168,989	42,109,777	75,915,033	
292	.....	7	132,769	239,710	555,150	1
8	7	1	7,776	27,747	57,100	2
88	.....	3	47,278	39,354	136,963	3
17	14	1	10,195	5,350	19,545	4
9	8	.....	12,160	21,600	40,500	5
498	22	.....	128,376	382,826	611,378	6
10	26	.....	12,145	13,040	31,865	7
84	.....	.....	37,429	91,440	175,125	8
168	81	19	103,594	411,174	695,906	9
291	.....	46	122,604	127,084	385,477	10
692	.....	3	339,164	648,836	1,214,932	11
102	4	14	39,570	111,909	200,450	12
150	.....	.....	76,195	156,024	287,981	13
10	5	1	4,355	5,773	13,245	14
182	.....	1	102,550	146,140	346,413	15
67	.....	.....	37,400	74,500	134,925	16
775	475	.....	314,325	1,105,200	1,708,560	17
25	147	.....	16,500	80,000	130,000	18
34	57	1	35,380	1,108,390	1,276,420	19
9	5	.....	8,720	34,400	63,600	20
154	.....	2	54,284	114,352	208,535	21
57	43	13	50,550	147,965	250,775	22
414	.....	77	154,596	868,555	1,152,892	23
326	.....	.....	175,184	259,793	499,000	24
53	.....	.....	28,010	62,240	158,646	25

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—PITTSBURGH—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
26	Dyeing and cleaning	4	11,500
27	Flouring- and grist-mill products	3	213,500
28	Foundery and machine-shop products	66	4,102,133
29	Furniture	15	440,950
30	Furniture, chairs	3	2,900
31	Glass	46	5,268,000
32	Grease and tallow	3	17,000
33	Hardware	6	576,566
34	Iron and steel	39	25,190,000
35	Iron bolts, nuts, washers, and rivets	4	380,000
36	Iron forgings	5	130,500
37	Iron pipe, wrought	3	869,150
38	Leather, curried	3	92,500
39	Leather, tanned	3	92,500
40	Liquors, malt	23	1,275,108
41	Looking-glass and picture frames	4	76,000
42	Lumber, planed	18	561,647
43	Lumber, sawed	6	279,000
44	Marble and stone work	11	84,200
45	Masonry, brick and stone	16	21,825
46	Models and patterns	4	8,200
47	Oil, lard	4	65,000
48	Oil, lubricating	6	42,500
49	Painting and paperhanging	27	92,930
50	Paints	3	237,000
51	Patent medicines and compounds	5	346,000
52	Photographing	5	21,050
53	Plumbing and gasfitting	26	124,686
54	Printing and publishing	42	1,567,600
55	Roofing and roofing materials	6	48,300
56	Saddlery and harness	19	96,690
57	Safes, doors, and vaults, fire-proof	3	59,000
58	Shipbuilding	15	93,000
59	Show-cases	3	35,000
60	Slaughtering and meat-packing, not including retail butchering establishments.	9	693,000
61	Soap and candles	4	111,056
62	Stencils and brands	3	8,100
63	Stone- and earthen-ware	4	85,500
64	Tinware, copperware, and sheet-iron ware	53	337,000
65	Tobacco, cigars, and cigarettes	50	85,910
66	Upholstering	6	43,250
67	Watch and clock repairing	7	47,900
68	Wheelwrighting	26	22,300
69	Wirework	3	7,300
70	Wood, turned and carved	6	21,800
71	Miscellaneous industries (*a*)	82	2,903,898

a The 82 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: artificial limbs; awnings and tents; axle-grease; bags, paper; bellows; bells; boxes, cigar; boxes, wooden, packing; brass and copper, rolled; bronze castings; coppersmithing; cordage and twine; cork cutting; crucibles; dentistry, mechanical; electroplating; engraving, steel; files; fire-arms; fruits and vegetables, canned and preserved; furs, dressed; galvanizing; glass, cut, stained, and ornamented; gold and silver leaf and foil; hairwork; hardware, saddlery; hats and caps; hosiery and knit goods; ink;

CITY OF PROVIDENCE.

	All industries	1,205	27,177,006
1	Blacksmithing	62	70,425
2	Bookbinding and blank-book making	5	50,300
3	Boots and shoes, including custom work and repairing	81	27,290
4	Boxes, wooden, packing	4	19,300
5	Brass castings	9	103,900

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—PITTSBURGH—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
4	9	.....	4, 550	2, 550	13, 375	26
47	.....	.....	21, 942	581, 701	691, 127	27
2, 693	.....	33	1, 390, 224	2, 664, 749	5, 530, 309	28
329	12	11	164, 616	269, 848	543, 838	29
9	2	2	4, 664	5, 700	13, 650	30
4, 185	138	1, 473	2, 501, 431	1, 997, 303	5, 231, 971	31
11	.....	.....	5, 050	196, 201	222, 091	32
495	11	90	203, 969	413, 164	741, 794	33
14, 559	10	1, 063	8, 072, 110	19, 288, 063	35, 490, 634	34
358	.....	52	148, 709	571, 943	867, 760	35
84	.....	13	52, 410	86, 419	194, 387	36
585	.....	60	196, 582	1, 187, 025	1, 558, 250	37
25	.....	.....	13, 500	217, 010	282, 406	38
30	.....	1	17, 000	145, 850	200, 000	39
284	.....	4	136, 483	655, 373	1, 150, 787	40
16	1	6	12, 400	33, 500	62, 336	41
281	.....	9	154, 643	615, 325	1, 054, 395	42
96	.....	9	26, 945	259, 900	383, 420	43
70	.....	.....	36, 021	32, 096	86, 769	44
107	.....	6	53, 577	64, 430	156, 586	45
13	.....	.....	6, 389	3, 050	16, 980	46
11	.....	1	6, 280	118, 464	141, 831	47
42	2	.....	25, 113	241, 100	311, 500	48
128	.....	3	66, 438	72, 461	188, 730	49
80	.....	.....	33, 232	281, 706	360, 390	50
76	59	3	47, 283	322, 508	740, 164	51
13	4	.....	10, 809	3, 093	33, 075	52
106	.....	1	49, 864	97, 837	197, 755	53
654	48	34	465, 041	465, 977	1, 422, 481	54
50	.....	.....	22, 860	46, 500	93, 912	55
94	46	3	54, 832	98, 946	191, 475	56
49	.....	1	26, 350	25, 000	63, 575	57
210	.....	.....	102, 080	144, 333	295, 288	58
29	.....	4	20, 200	72, 000	115, 500	59
91	.....	19	41, 379	1, 302, 167	1, 451, 816	60
23	.....	.....	14, 212	83, 825	121, 248	61
12	.....	1	6, 797	1, 725	14, 740	62
69	20	3	49, 450	67, 744	137, 181	63
183	64	51	121, 775	312, 956	561, 106	64
211	15	19	83, 814	97, 690	274, 692	65
33	36	1	30, 150	64, 608	139, 708	66
15	.....	2	10, 190	7, 650	27, 050	67
55	.....	2	26, 045	24, 412	82, 088	68
10	.....	4	6, 099	12, 900	27, 200	69
26	.....	1	16, 143	20, 279	50, 048	70
945	310	64	558, 229	2, 549, 294	4, 024, 232	71

iron nails and spikes, cut and wrought; iron railing, wrought; iron work, architectural and ornamental; jewelry; kaolin and ground earths; lamps and reflectors; lead, bar, pipe, sheet, and shot; liquors, distilled; lithographing; lock- and gun-smithing; malt; mantels, slate, marble, and marbleized; mineral and soda waters; pickles, preserves, and sauces; plated and britannia ware; regalia and society banners and emblems; saws; springs, steel, car and carriage; steam fittings and heating apparatus; tobacco, chewing, smoking, and snuff; trunks and valises; umbrellas and canes; upholstering materials; varnish; washing-machines and clothes-wringers; whips; and wooden ware.

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16, 050	5, 125	1, 716	9, 464, 110	22, 794, 227	42, 597, 512	
104	.....	1	54, 428	54, 423	176, 463	1
41	25	1	26, 835	28, 100	83, 000	2
38	6	1	18, 463	38, 321	103, 298	3
36	.....	.....	14, 434	36, 396	64, 000	4
60	.....	.....	32, 269	115, 000	172, 921	5

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—PROVIDENCE—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
6	Bread and other bakery products	19	115,700
7	Brooms and brushes	6	12,700
8	Carpentering	81	254,750
9	Carriages and wagons	47	149,505
10	Clothing, men's	42	833,877
11	Clothing, women's	7	21,400
12	Coffee and spices, roasted and ground	5	42,000
13	Coffins, burial cases, and undertakers' goods	10	40,000
14	Confectionery	5	14,800
15	Cooperage	3	20,732
16	Cotton goods	17	2,453,854
17	Cutlery and edge tools	4	25,550
18	Dentistry, mechanical	20	20,025
19	Drugs and chemicals	5	52,500
20	Dyeing and cleaning	3	6,000
21	Dyeing and finishing textiles	7	2,925,000
22	Dyestuffs and extracts	4	144,000
23	Electroplating	10	65,600
24	Enameling	9	123,000
25	Engraving and die-sinking	24	17,900
26	Engraving, wood	6	1,750
27	Fancy articles	4	21,500
28	Files	7	437,600
29	Flouring- and grist-mill products	4	217,600
30	Foundery and machine-shop products	55	3,563,975
31	Furniture	15	218,750
32	Gas and lamp fixtures	3	91,000
33	Gold and silver, reduced and refined	6	138,000
34	Hairwork	7	21,050
35	Hardware	5	109,300
36	Ivory and bone work	4	36,000
37	Jewelry	142	2,755,070
38	Lapidary work	7	22,000
39	Leather goods	3	45,600
40	Liquors, malt	3	160,000
41	Lock- and gun-smithing	5	4,950
42	Looking-glass and picture frames	7	30,200
43	Lumber, planed	6	84,000
44	Marble and stone work	23	320,800
45	Masonry, brick and stone	29	60,300
46	Mattresses and spring beds	4	29,700
47	Mineral and soda waters	3	20,500
48	Models and patterns	3	5,000
49	Painting and paperhanging	65	69,365
50	Patent medicines and compounds	22	373,500
51	Photographing	19	40,750
52	Plumbing and gasfitting	21	39,550
53	Printing and publishing	17	222,050
54	Pumps, not including steam pumps	3	11,000
55	Saddlery and harness	26	45,700
56	Shipbuilding	8	152,500
57	Shoddy	3	33,000
58	Slaughtering and meat-packing, not including retail butchering establishments.	6	273,000
59	Soap and candles	6	8,900
60	Stationery goods	4	24,300
61	Stencils and brands	3	9,000
62	Straw goods	3	2,300
63	Tinware, copperware, and sheet-iron ware	40	121,500
64	Tobacco, cigars, and cigarettes	32	24,350
65	Trunks and valises	3	21,200
66	Umbrellas and canes	3	1,700
67	Wood, turned and carved	4	12,500
68	Woolen goods	5	1,929,700
69	Worsted goods	4	1,250,000
70	Miscellaneous industries (*a*)	68	6,506,388

a The 68 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: agricultural implements; belting and hose, leather; boots and shoes, rubber; boxes, cigar; boxes, fancy and paper; bridges; buttons; collars and cuffs, paper; corsets; cotton-ties; drain and sewer pipe; firearms; foundery supplies; furniture, chairs; furs, dressed; glass, cut, stained, and ornamented; hand-stamps; hats and caps; hooks and eyes; iron and steel; iron forgings; iron pipe, wrought; lead, bar,

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—PROVIDENCE—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
124	24	.....	62, 577	305, 022	445, 586	6
14	1	2	7, 245	14, 085	28, 225	7
688	.....	2	341, 125	692, 060	1, 250, 164	8
164	.....	1	85, 371	114, 910	271, 659	9
417	535	35	393, 939	1, 090, 566	1, 869, 819	10
6	59	.....	18, 555	94, 825	137, 880	11
19	.....	.....	10, 676	121, 536	156 194	12
32	2	.....	18, 958	45, 923	91, 293	13
13	9	4	10, 501	30, 188	68, 550	14
27	.....	2	14, 884	27, 150	60, 560	15
609	1, 129	274	487, 393	1, 323, 024	2, 250, 273	16
45	.....	.....	15, 889	16, 660	45, 360	17
9	3	.....	8, 046	9, 892	52, 750	18
22	.....	.....	10, 924	78, 800	103, 000	19
6	8	.....	6, 708	1, 788	15, 250	20
853	148	130	412, 608	834, 807	2, 273, 254	21
40	.....	.....	19, 195	162, 500	221, 705	22
58	1	2	36, 162	136, 372	208, 164	23
93	45	9	44, 816	59, 263	136, 175	24
52	5	10	34, 941	6, 423	76, 764	25
2	.....	.....	2, 146	2, 660	13, 130	26
25	6	2	11, 367	35, 084	70, 382	27
321	9	25	129, 944	140, 095	460, 950	28
36	.....	.....	21, 106	392, 875	458, 896	29
3, 237	77	42	1, 552, 842	1, 912, 589	4, 522, 179	30
310	7	2	162, 150	415, 584	686, 705	31
46	9	6	26, 500	34, 600	86, 600	32
25	.....	.....	18, 627	1, 366, 471	1, 421, 100	33
.....	18	2	5, 300	18, 930	34, 945	34
142	.....	1	63, 743	37, 484	154, 543	35
60	6	2	35, 230	17, 375	72, 667	36
2, 411	675	178	1, 614, 836	2, 495, 824	5, 444, 692	37
39	2	2	16, 682	11, 200	42, 333	38
38	.....	3	19, 420	63, 950	96, 815	39
88	.....	.....	38, 785	233, 052	392, 163	40
5	.....	.....	3, 702	2, 762	10, 515	41
17	1	2	10, 103	31, 860	57, 745	42
63	.....	.....	28, 309	23, 910	69, 912	43
276	.....	5	130, 823	82, 740	299, 826	44
221	1	.....	94, 064	129, 296	280, 093	45
21	6	.....	9, 356	80, 260	113, 656	46
14	.....	.....	6, 149	15, 240	41, 075	47
7	.....	1	4, 389	1, 480	12, 432	48
279	.....	6	133, 185	111, 178	343, 205	49
92	21	6	63, 209	285, 864	706, 442	50
30	28	1	26, 156	15, 101	80, 110	51
76	.....	.....	42, 641	87, 796	181, 216	52
289	11	60	219, 429	173, 200	536, 598	53
6	.....	.....	2, 663	7, 962	15, 000	54
75	2	2	36, 024	46, 274	112, 477	55
83	.....	.....	51, 077	57, 883	133, 331	56
35	26	4	14, 290	131, 154	179, 795	57
85	.....	4	44, 362	1, 318, 116	1, 458, 740	58
10	.....	.....	2, 598	22, 925	37, 250	59
21	6	.....	16, 898	23, 910	56, 425	60
7	.....	2	2, 665	8, 730	18, 580	61
5	11	.....	5, 553	547	10, 160	62
197	2	3	106, 811	196, 292	407, 332	63
52	53	.....	28, 774	56, 261	105, 844	64
11	.....	1	6, 958	14, 805	35, 530	65
2	1	.....	660	1, 050	5, 850	66
10	.....	.....	5, 413	12, 500	23, 900	67
815	568	381	641, 391	1, 973, 601	3, 602, 947	68
851	912	203	661, 588	2, 062, 630	3, 537, 000	69
2, 045	667	296	1, 159, 250	3, 203, 693	5, 804, 716	70

pipe, sheet, and shot; leather, dressed skins; lime; lithographing; musical instruments, organs, and materials; oil, cottonseed and cake; paints; paving materials; pickles, preserves and sauces; plated and britannia ware; rubber and elastic goods; safes, doors, and vaults, fire-proof; sash, doors and blinds; saws; screws; sewing machines and attachments; shirts; silk and silk goods; silverware; sporting goods; starch; stone- and earthen-ware; taxidermy; toys and games; upholstering; watch cases; window blinds and shades; wire; and wirework.

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF SAINT LOUIS.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
	All industries	2,924	*Dollars.* 50,832,885
1	Agricultural implements	7	434,000
2	Artificial feathers and flowers	3	36,000
3	Awnings and tents	9	127,200
4	Bagging, flax, hemp, and jute	3	370,000
5	Bags, paper	4	88,250
6	Baking and yeast powders	8	111,700
7	Baskets, rattan and willow ware	7	9,015
8	Blacksmithing	168	224,745
9	Bookbinding and blank-book making	10	132,500
10	Boot and shoe uppers	3	12,000
11	Boots and shoes, including custom work and repairing	184	679,630
12	Boxes, cigar	6	57,550
13	Boxes, fancy and paper	6	21,500
14	Boxes, wooden, packing	11	40,600
15	Brass castings	14	186,100
16	Bread and other bakery products	195	719,070
17	Brick and tile	45	727,250
18	Brooms and brushes	25	95,175
19	Carpentering	185	361,840
20	Carpets, rag	3	350
21	Carriage and wagon materials	3	126,000
22	Carriages and wagons	39	740,050
23	Cars, railroad, street, and repairs	7	314,200
24	Clothing, men's	100	1,351,335
25	Clothing, women's	13	140,800
26	Coffee and spices, roasted and ground	6	230,000
27	Coffins, burial cases, and undertakers' goods	5	30,500
28	Confectionery	31	307,560
29	Cooperage	78	493,295
30	Coppersmithing	3	3,500
31	Cordage and twine	14	12,875
32	Corsets	3	720
33	Cotton goods	3	825,500
34	Cutlery and edge tools	4	4,000
35	Dentistry, mechanical	8	6,700
36	Drugs and chemicals	15	696,000
37	Dyeing and cleaning	5	16,450
38	Dyeing and finishing textiles	3	16,000
39	Electroplating	8	17,600
40	Engraving and die-sinking	7	9,675
41	Engraving, steel	10	72,100
42	Engraving, wood	3	12,200
43	Files	6	38,900
44	Flouring- and grist-mill products	24	2,067,500
45	Food preparations	4	17,100
46	Foundery and machine-shop products	62	3,605,713
47	Fruits and vegetables, canned and preserved	3	31,500
48	Furniture	54	920,702
49	Glass	5	280,000
50	Glass, cut, stained, and ornamented	3	11,000
51	Gloves and mittens	3	13,000
52	Glue	5	34,350
53	Grease and tallow	6	43,250
54	Hairwork	8	17,600
55	Hardware	10	210,150
56	Hats and caps, not including wool hats	9	60,400
57	Ink	3	9,600
58	Instruments, professional and scientific	4	54,650
59	Iron and steel	10	5,960,600
60	Iron bolts, nuts, washers, and rivets	4	235,000

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF SAINT LOUIS.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
33,980	4,761	3,084	*Dollars.* 17,743,532	*Dollars.* 75,379,867	*Dollars.* 114,333,375	
443	.....	5	190,179	478,140	856,430	1
9	50	15	25,450	66,000	147,250	2
47	165	5	54,850	249,185	388,940	3
149	161	76	150,216	545,900	867,395	4
12	30	42	29,700	174,800	231,500	5
48	26	10	39,714	182,900	323,500	6
13	.....	.....	6,140	3,960	18,020	7
343	.....	6	188,954	201,598	616,909	8
148	56	7	80,700	105,600	257,087	9
13	.....	.....	7,052	17,400	29,200	10
658	217	197	425,664	874,812	1,634,594	11
51	22	11	34,100	47,700	105,600	12
27	44	19	23,300	45,800	91,200	13
80	.....	2	33,601	75,430	140,400	14
149	.....	8	70,087	395,275	570,450	15
614	57	68	312,913	1,672,843	2,575,350	16
787	.....	153	307,581	197,588	701,032	17
117	2	110	83,349	149,770	281,280	18
1,108	.....	9	667,900	1,585,094	3,005,411	19
2	.....	.....	450	900	5,100	20
189	.....	3	91,638	134,440	264,600	21
1,012	8	51	447,831	811,865	1,614,236	22
601	.....	.....	293,384	732,460	1,100,809	23
1,191	1,652	12	779,908	1,895,342	3,425,167	24
75	451	30	119,775	238,700	483,000	25
90	2	4	41,840	391,500	568,000	26
23	4	.....	12,530	109,200	157,396	27
207	185	21	159,649	774,790	1,158,185	28
860	.....	88	377,056	798,262	1,431,405	29
9	.....	1	6,200	12,000	24,000	30
37	.....	40	16,423	33,250	67,664	31
2	3	.....	1,450	2,410	6,460	32
106	171	163	86,325	335,381	453,295	33
20	.....	.....	9,596	8,450	24,400	34
5	3	1	4,184	6,400	32,400	35
216	57	28	123,940	665,365	1,166,743	36
17	6	1	6,950	2,650	23,900	37
14	5	4	7,500	5,500	22,200	38
29	1	2	12,725	9,420	43,200	39
14	.....	1	7,165	10,750	30,000	40
47	2	3	25,050	62,500	120,900	41
22	.....	2	11,350	1,370	21,070	42
35	.....	.....	17,142	7,870	34,300	43
668	.....	.....	488,879	12,031,364	13,783,178	44
13	.....	.....	4,800	11,375	30,840	45
3,433	.....	33	1,854,046	2,700,844	5,952,770	46
38	8	1	11,614	54,902	123,250	47
1,044	11	68	511,915	1,082,825	1,979,683	48
395	.....	220	261,098	238,946	597,277	49
16	.....	.....	9,450	7,100	27,600	50
29	35	4	18,000	19,000	46,000	51
24	.....	4	13,220	41,575	73,800	52
20	.....	.....	9,150	66,220	107,300	53
6	23	.....	7,375	19,350	40,700	54
111	.....	1	51,321	102,256	188,862	55
49	82	4	42,865	77,740	177,531	56
8	.....	.....	3,568	7,290	16,234	57
22	.....	.....	12,700	35,725	81,450	58
2,158	.....	110	616,575	2,823,058	3,950,530	59
123	.....	14	60,498	301,937	493,560	60

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—SAINT LOUIS—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
61	Iron railing, wrought	6	23,400
62	Iron work, architectural and ornamental	4	34,000
63	Jewelry	8	52,000
64	Labels and tags	3	10,300
65	Lamps and reflectors	7	291,600
66	Leather, curried	7	59,250
67	Leather, tanned	17	123,450
68	Lightning-rods	3	54,000
69	Lime	4	64,500
70	Liquors, malt	23	4,184,600
71	Liquors, vinous	3	380,000
72	Lithographing	5	71,500
73	Lock- and gun-smithing	17	5,325
74	Looking-glass and picture frames	19	323,900
75	Lumber, planed	9	272,350
76	Lumber, sawed	3	620,000
77	Marble and stone work	56	237,825
78	Mattresses and spring beds	8	21,750
79	Masonry, brick and stone	68	82,375
80	Mineral and soda waters	11	112,100
81	Models and patterns	3	11,700
82	Musical instruments and materials (not specified)	8	60,000
83	Musical instruments, organs, and materials	3	10,600
84	Musical instruments, pianos, and materials	7	21,350
85	Oil, lard	3	96,000
86	Paints	13	1,688,350
87	Painting and paperhanging	119	369,945
88	Patent medicines and compounds	24	1,383,200
89	Photographing	25	86,050
90	Pickles, preserves, and sauces	3	48,200
91	Plumbing and gasfitting	61	115,775
92	Printing and publishing	101	2,480,060
93	Pumps	9	529,850
94	Refrigerators	3	28,700
95	Roofing and roofing materials	5	58,700
96	Saddlery and harness	92	1,370,350
97	Sash, doors, and blinds	12	586,195
98	Shipbuilding	7	243,000
99	Shirts	17	122,100
100	Show-cases	4	23,000
101	Slaughtering and meat-packing, not including retail butchering establishments.	32	1,243,000
102	Soap and candles	15	718,927
103	Stencils and brands	6	4,750
104	Stone- and earthen-ware	5	34,500
105	Tinware, copperware, and sheet-iron ware	120	418,325
106	Tobacco, chewing, smoking, and snuff	21	1,146,200
107	Tobacco, cigars, and cigarettes	201	272,925
108	Trunks and valises	14	105,500
109	Umbrellas and canes	4	1,400
110	Upholstering	18	209,025
111	Varnish	3	26,500
112	Vinegar	14	249,650
113	Watch and clock repairing	17	36,250
114	Wheelwrighting	52	51,950
115	Whips	4	1,260
116	Wirework	8	153,700
117	Wood, turned and carved	18	28,725
118	Miscellaneous industries (*a*)	85	6,300,388

(*a*) The 85 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: artificial limbs; babbitt metal and solder; bags, other than paper; belting and hose, leather; billiard tables and materials; bluing; bone-, ivory-, and lamp-black; bridges; carriages and sleds, children's; cordials and sirups; cork cutting; dentists' materials; explosives and fireworks; fertilizers; flavoring extracts; furniture, chairs; furs, dressed; gold and silver, reduced and refined; hosiery and knit goods; iron forgings; ice, artificial; jewelry and instrument cases; lard, refined; lead, bar, pipe, sheet, and shot; liquors, distilled; malt; mantels, slate, marble, and marbleized; oil, neat's-foot; oil, castor; oil, cotton

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—SAINT LOUIS—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
34	.....	5	20,760	25,360	63,400	61
44	.....	.....	17,850	31,860	67,610	62
55	.....	7	37,600	98,000	189,500	63
12	.....	.....	7,868	10,910	23,500	64
139	.....	20	74,139	376,540	519,300	65
40	.....	.....	16,595	240,797	282,417	66
82	3	7	39,191	299,926	399,963	67
16	.....	.....	7,250	14,491	39,292	68
33	.....	.....	13,800	32,925	63,200	69
1,230	.....	105	634,088	2,565,074	4,535,630	70
30	.....	.....	18,830	52,000	131,000	71
94	6	17	51,265	83,344	214,989	72
18	.....	.....	8,514	4,970	24,714	73
129	1	22	80,251	102,825	268,682	74
335	2	22	152,609	502,742	756,936	75
119	.....	.....	72,086	251,600	412,000	76
473	.....	18	237,207	245,707	707,721	77
50	19	10	24,934	75,436	135,300	78
386	.....	.....	206,389	216,321	575,700	79
97	5	27	45,846	58,090	193,000	80
10	.....	.....	6,400	1,420	16,400	81
10	1	1	5,350	8,775	28,250	82
9	.....	.....	6,000	5,200	16,600	83
19	.....	.....	10,398	8,060	27,200	84
25	.....	.....	13,050	505,750	539,000	85
522	10	4	250,532	2,006,480	2,570,860	86
863	15	18	393,932	549,654	1,255,552	87
198	87	13	134,696	482,235	1,145,090	88
59	18	6	43,130	48,950	170,094	89
58	25	25	41,999	134,200	211,200	90
239	.....	7	126,099	214,958	494,683	91
1,978	175	117	1,239,299	1,249,094	3,668,287	92
109	.....	2	65,900	701,570	926,750	93
83	.....	15	42,950	183,300	309,500	94
75	.....	.....	48,000	81,900	177,800	95
1,143	4	72	533,442	1,382,074	2,364,858	96
661	.....	43	275,321	669,871	1,191,670	97
279	.....	.....	187,380	265,592	506,712	98
52	274	.....	84,416	127,100	278,700	99
74	4	1	28,499	11,750	89,100	100
564	.....	20	269,763	7,085,909	8,424,064	101
253	2	2	95,561	1,262,701	1,607,541	102
11	.....	2	5,925	5,565	21,425	103
31	.....	10	16,090	19,985	46,430	104
508	18	62	227,546	553,298	1,095,959	105
763	146	325	402,959	3,950,956	4,813,769	106
576	6	72	265,967	312,725	888,993	107
156	.....	8	73,125	205,775	340,560	108
3	.....	.....	1,020	1,150	4,370	109
48	4	6	20,850	62,100	148,727	110
10	.....	.....	8,962	35,000	54,600	111
115	12	4	69,520	296,000	572,400	112
19	.....	1	9,367	13,175	39,740	113
110	.....	3	47,598	42,632	140,121	114
12	.....	.....	4,639	8,960	17,414	115
134	4	38	60,890	112,620	371,600	116
42	.....	2	19,183	19,945	84,207	117
2,944	381	283	1,471,217	13,722,533	17,276,752	118

seed and cake; oil, lubricating; paving materials; perfumery and cosmetics; photographic apparatus; plated and britannia ware; regalia and society banners and emblems; safes, doors, and vaults, fire-proof; saws; silk and silk goods; silversmithing; sporting goods; stamped ware; stationery goods; steam fittings and heating apparatus; stereotyping and electrotyping; sugar and molasses, refined; surgical appliances; tar and turpentine; telegraph and telephone apparatus; terra-cotta ware; toys and games; type founding; upholstering materials; washing-machines and clothes-wringers; watch cases; window blinds and shades; wire; and wooden ware.

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF SAN FRANCISCO.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
	All industries	2,971	*Dollars.* 35,368,139
1	Artificial feathers and flowers	4	2,550
2	Awnings and tents	4	26,100
3	Bags, other than paper	3	275,000
4	Baking and yeast powders	4	48,000
5	Baskets, rattan and willow ware	8	8,575
6	Belting and hose, leather	4	85,000
7	Billiard tables and materials	5	102,000
8	Blacking	3	3,500
9	Blacksmithing	106	59,973
10	Bookbinding and blank-book making	13	108,300
11	Boot and shoe findings	4	10,700
12	Boot and shoe uppers	5	6,700
13	Boots and shoes, including custom work and repairing	310	1,090,772
14	Boxes, cigar	6	130,635
15	Boxes, fancy and paper	4	24,500
16	Boxes, wooden, packing	7	154,750
17	Brass castings	8	142,200
18	Bread and other bakery products	119	428,860
19	Brick and tile	3	8,800
20	Bridges	8	99,000
21	Brooms and brushes	15	70,800
22	Carpentering	181	431,690
23	Carriages and wagons	52	338,071
24	Clothing, men's	110	1,126,164
25	Clothing, women's	27	424,250
26	Coffee and spices, roasted and ground	20	445,450
27	Coffins, burial cases, and undertakers' goods	13	72,150
28	Confectionery	29	166,150
29	Cooperage	28	424,350
30	Cordage and twine	3	500,700
31	Cordials and sirups	9	72,200
32	Corsets	4	4,300
33	Cutlery and edge tools	11	104,500
34	Dentistry, mechanical	28	10,480
35	Drugs and chemicals	27	357,925
36	Dyeing and cleaning	9	27,225
37	Electroplating	10	21,500
38	Engraving and die-sinking	13	4,320
39	Engraving, wood	8	995
40	Fertilizers	3	145,000
41	Flags and banners	3	16,000
42	Flavoring extracts	6	17,500
43	Flouring- and grist-mill products	9	635,600
44	Food preparations	7	53,400
45	Foundery and machine-shop products	58	2,391,739
46	Fruits and vegetables, canned and preserved	6	926,000
47	Furnishing goods, men's	12	362,350
48	Furniture	41	918,975
49	Furniture, chairs	3	2,300
50	Furs, dressed	6	102,250
51	Glass, cut, stained, and ornamented	5	77,450
52	Gloves and mittens	6	74,500
53	Glue	3	21,200
54	Hairwork	11	14,550
55	Hand-stamps	5	13,000
56	Hats and caps, not including wool hats	16	35,925
57	High explosives	6	934,000
58	Ink	3	61,000
59	Instruments, professional and scientific	8	18,050
60	Iron forgings	4	42,000

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF SAN FRANCISCO.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
23, 662	3, 588	1, 192	*Dollars.* 14, 928, 534	*Dollars.* 47, 978, 072	*Dollars.* 77, 824, 299	
2	1	.....	962	2, 700	5, 850	1
5	7	3	6, 675	15, 850	29, 602	2
55	50	14	51, 300	1, 410, 000	1, 565, 000	3
24	3	.....	16, 575	97, 490	142, 345	4
20	5	3	6, 560	4, 165	19, 400	5
31	.....	.....	18, 565	73, 100	117, 780	6
39	.....	.....	24, 632	45, 618	98, 360	7
3	.....	.....	1, 809	2, 250	7, 400	8
155	.....	7	104, 653	102, 410	364, 886	9
118	55	32	110, 766	172, 890	382, 440	10
11	1	.....	8, 080	30, 800	44, 750	11
9	1	.....	5, 536	15, 030	31, 980	12
2, 464	184	96	1, 199, 730	2, 187, 811	4, 141, 547	13
119	35	10	72, 940	75, 165	206, 200	14
18	42	9	20, 165	20, 450	50, 550	15
232	30	30	108, 400	216, 300	460, 500	16
184	2	6	117, 940	232, 570	374, 350	17
431	14	45	315, 082	1, 403, 001	2, 070, 884	18
79	.....	.....	22, 050	12, 025	46, 700	19
344	.....	.....	172, 970	374, 000	694, 000	20
96	.....	3	37, 049	69, 600	132, 200	21
1, 190	1	1	907, 331	1, 690, 833	3, 121, 851	22
373	.....	1	230, 849	284, 814	714, 098	23
1, 087	610	18	908, 559	2, 204, 148	3, 782, 963	24
31	632	7	220, 688	659, 152	1, 150, 207	25
160	6	10	99, 132	1, 057, 628	1, 336, 718	26
46	.....	.....	33, 753	54, 425	142, 060	27
88	29	14	54, 622	345, 826	507, 026	28
254	.....	5	181, 811	304, 620	605, 704	29
145	.....	18	57, 215	402, 115	545, 230	30
44	.....	.....	28, 610	134, 590	208, 000	31
.....	9	1	3, 000	3, 550	12, 200	32
54	.....	1	39, 623	37, 150	119, 339	33
15	.....	.....	7, 320	9, 010	39, 525	34
118	2	3	76, 809	273, 801	571, 691	35
21	9	1	16, 331	14, 269	46, 466	36
11	3	1	6, 542	13, 523	34, 375	37
5	.....	.....	3, 288	2, 430	20, 340	38
2	.....	.....	425	3, 340	17, 100	39
35	.....	.....	21, 588	66, 600	106, 160	40
5	11	2	7, 000	13, 200	35, 600	41
13	6	1	7, 164	36, 100	54, 500	42
142	.....	.....	103, 992	1, 991, 609	2, 275, 360	43
35	1	4	22, 348	80, 892	164, 025	44
1, 888	.....	33	1, 243, 234	2, 017, 267	3, 889, 503	45
226	340	80	207, 000	609, 000	978, 000	46
121	189	.....	126, 265	509, 540	744, 245	47
556	20	12	352, 583	683, 895	1, 280, 210	48
10	.....	.....	5, 820	3, 750	13, 300	49
17	101	.....	31, 429	158, 600	224, 400	50
36	.....	.....	22, 100	66, 900	103, 000	51
49	137	.....	49, 700	101, 805	191, 520	52
23	.....	2	11, 800	21, 940	49, 800	53
10	19	.....	12, 167	16, 000	46, 284	54
16	.....	.....	14, 830	13, 532	51, 430	55
20	39	.....	29, 032	38, 717	83, 678	56
172	.....	.....	76, 786	680, 416	1, 565, 868	57
15	.....	.....	9, 450	59, 000	97, 500	58
17	.....	1	9, 948	17, 088	44, 712	59
40	.....	1	27, 702	47, 081	91, 310	60

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—SAN FRANCISCO—Continued.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
61	Jewelry	12	283,500
62	Lapidary work	7	4,425
63	Leather, curried	41	225,700
64	Leather, tanned	47	1,161,800
65	Liquors, distilled	5	199,000
66	Liquors, malt	38	1,666,520
67	Liquors, vinous	6	120,000
68	Lithographing	7	122,000
69	Lock- and gun-smithing	30	24,750
70	Looking-glass and picture frames	21	229,600
71	Marble and stone work	32	229,150
72	Masonry, brick and stone	24	75,650
73	Matches	3	30,600
74	Mattresses and spring beds	8	123,200
75	Millinery and lace goods	19	137,600
76	Mineral and soda waters	8	40,300
77	Models and patterns	7	8,900
78	Musical instruments and materials (not specified)	4	2,550
79	Musical instruments, pianos, and materials	5	49,500
80	Paints	3	318,000
81	Painting and paperhanging	117	87,485
82	Patent medicines and compounds	15	52,800
83	Perfumery and cosmetics	3	13,000
84	Photographing	33	127,950
85	Pickles, preserves, and sauces	3	5,000
86	Plumbing and gasfitting	94	175,050
87	Printing and publishing	152	1,744,755
88	Roofing and roofing materials	16	69,450
89	Saddlery and harness	58	285,650
90	Safes, doors, and vaults, fire-proof	3	36,500
91	Sash, doors, and blinds	16	555,000
92	Saws	6	87,185
93	Shipbuilding	56	1,681,523
94	Shirts	25	88,100
95	Show-cases	6	4,320
96	Silk and silk goods	4	159,300
97	Silverware	3	116,000
98	Slaughtering and meat-packing, not including retail butchering establishments.	24	1,586,200
99	Soap and candles	19	458,650
100	Stencils and brands	5	6,125
101	Straw goods	8	33,500
102	Surgical appliances	5	4,925
103	Tinware, copperware, and sheet-iron ware	69	428,975
104	Tobacco, cigars, and cigarettes	147	1,687,603
105	Tools	4	13,100
106	Trunks and valises	7	166,631
107	Umbrellas and canes	4	20,850
108	Upholstering	50	164,350
109	Upholstering materials	4	47,250
110	Watch and clock repairing	98	91,235
111	Wheelwrighting	20	20,875
112	Windmills	4	11,500
113	Window blinds and shades	10	92,100
114	Wirework	6	273,308
115	Wood, turned and carved	16	15,125
116	Miscellaneous industries (*a*)	88	5,682,100

a The 88 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: agricultural implements; axle-grease; babbitt metal and solder; bags, paper; bells; boots and shoe cut stock; calcium lights; cement; drain and sewer pipe; electric lights; electrical apparatus; explosives and fireworks; fancy articles; files; foundery supplies; galvanizing; glass; gold and silver, reduced and refined; grease and tallow; housefurnishing goods; iron and steel; iron bolts, nuts, washers, and rivets; iron pipe, wrought; iron railing, wrought; ivory and bone work; jewelry and instrument cases; kindling wood; lamps and reflectors; lasts; lead, bar, pipe, sheet, and shot; leather, dressed skins;

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—SAN FRANCISCO—Continued.

AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
			Dollars.	*Dollars.*	*Dollars.*	
128	.....	11	100,597	159,753	315,115	61
9	1	3	11,035	16,670	39,120	62
111	.....	2	72,256	941,120	1,102,475	63
261	.....	7	166,754	1,530,298	2,014,345	64
36	.....	1	20,250	170,075	258,200	65
813	.....	.....	404,830	1,507,284	2,722,270	66
49	.....	.....	16,236	51,445	83,521	67
84	.....	9	63,391	77,200	193,712	68
20	.....	.....	13,234	14,546	57,163	69
78	2	11	58,406	135,975	281,900	70
219	.....	.....	155,767	223,554	469,646	71
191	.....	1	135,827	182,633	391,734	72
53	.....	5	21,500	156,800	198,600	73
59	2	2	35,142	94,215	159,737	74
13	198	2	78,932	305,900	456,300	75
27	.....	1	18,365	31,160	80,175	76
15	.....	1	9,532	3,856	23,966	77
7	.....	.....	3,660	1,150	8,400	78
27	.....	.....	18,425	41,250	87,700	79
89	1	.....	40,720	298,552	402,670	80
409	1	16	260,907	197,839	639,503	81
45	6	.....	16,732	71,820	156,000	82
11	11	16	12,400	27,300	61,900	83
105	27	3	100,900	80,833	298,960	84
3	.....	2	1,324	6,475	13,200	85
265	1	23	179,565	332,244	671,735	86
1,326	98	103	1,217,349	1,015,305	2,987,576	87
150	.....	.....	91,021	120,920	271,875	88
234	12	17	121,977	198,199	400,715	89
14	.....	.....	8,590	13,808	32,835	90
431	.....	30	272,213	360,081	769,030	91
29	.....	4	22,348	40,390	83,026	92
349	.....	.....	393,283	463,069	1,087,843	93
181	173	1	85,188	153,940	303,050	94
8	.....	.....	5,088	10,875	23,800	95
19	104	25	40,700	78,625	155,705	96
24	.....	6	20,550	37,500	87,000	97
295	.....	14	239,868	4,511,721	6,013,602	98
150	14	5	86,855	676,489	886,293	99
10	1	.....	5,894	2,860	16,792	100
33	72	3	38,600	26,450	85,200	101
2	.....	.....	1,976	2,400	11,672	102
341	.....	64	226,978	542,041	949,499	103
3,110	110	198	911,988	1,929,357	3,720,813	104
11	.....	.....	9,365	17,300	38,150	105
43	.....	4	29,312	84,500	166,508	106
5	11	.....	9,616	26,600	53,950	107
108	7	1	72,297	208,032	360,332	108
28	10	4	10,885	32,550	62,050	109
75	2	4	62,013	54,119	223,215	110
34	.....	1	23,142	23,350	74,712	111
8	.....	.....	7,100	13,200	27,500	112
43	2	.....	23,909	74,200	141,840	113
70	.....	7	40,665	176,910	273,776	114
30	.....	3	21,006	28,390	72,776	115
1,815	128	107	1,121,786	9,103,563	11,203,095	116

lumber, planed; malt; mantels, slate, marble, and marbleized; millstones; mirrors; mixed textiles; musical instruments, organs, and materials; oil, essential; oil, linseed; photographic apparatus; pipes, tobacco; pumps; regalia and society banners and emblems; rubber and elastic goods; salt, ground; spectacles and eyeglasses; springs, steel, car and carriage; stamped ware; stationery goods; steam fittings and heating apparatus; stereotyping and electrotyping; stone- and earthen-ware; sugar and molasses, refined; taxidermy; tobacco, chewing, smoking, and snuff; toys and games; type founding; varnish; vinegar; whips; wooden ware; woolen goods; and zinc.

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF WASHINGTON.

	Mechanical and manufacturing industries.	No. of establishments.	Capital.
			Dollars.
	All industries	971	5,552,526
1	Awnings and tents	3	2,050
2	Blacksmithing	77	31,165
3	Bookbinding and blank-book making	4	4,200
4	Boots and shoes, including custom work and repairing	73	49,220
5	Brass castings	3	132,038
6	Bread and other bakery products	63	120,340
7	Brick and tile	16	330,600
8	Carpentering	58	48,145
9	Carriages and wagons	25	173,792
10	Clothing, men's	35	104,550
11	Coffee and spices, roasted and ground	3	17,600
12	Coffins, burial cases, and undertakers' goods	14	61,425
13	Confectionery	27	85,575
14	Cooperage	3	6,700
15	Dentistry, mechanical	6	4,975
16	Drugs and chemicals	5	54,000
17	Engraving and die-sinking	3	3,900
18	Fertilizers	3	95,000
19	Flouring- and grist-mill products	9	230,400
20	Foundery and machine-shop products	10	236,000
21	Furniture	19	46,125
22	Grease and tallow	3	25,000
23	Hairwork	12	6,600
24	Instruments, professional and scientific	5	36,100
25	Iron railings, wrought	5	3,275
26	Jewelry	11	19,600
27	Kindling wood	6	18,465
28	Lime	5	19,100
29	Liquors, malt	10	208,300
30	Lithographing	5	33,200
31	Lock- and gun-smithing	6	11,700
32	Looking-glass and picture frames	10	15,000
33	Lumber, planed	10	96,200
34	Marble and stone work	25	113,745
35	Masonry, brick and stone	31	10,500
36	Mattresses and spring beds	3	8,250
37	Mineral and soda waters	3	19,200
38	Models and patterns	7	7,200
39	Painting and paperhanging	37	16,600
40	Patent medicines and compounds	5	5,600
41	Paving materials	5	56,000
42	Photographing	16	34,750
43	Plumbing and gasfitting	31	47,750
44	Printing and publishing	28	971,800
45	Saddlery and harness	26	30,400
46	Soap and candles	5	60,966
47	Tinware, copperware, and sheet-iron ware	42	66,965
48	Tobacco, cigars, and cigarettes	43	25,950
49	Umbrellas and canes	5	1,150
50	Upholstering	10	18,550
51	Watch and clock repairing	32	17,460
52	Wheelwrighting	10	6,565
53	Miscellaneous industries (*a*)	60	1,702,785

a The 60 establishments classed as "miscellaneous industries" are grouped in order that the business of individual establishments may not be disclosed to the public. In this group are embraced: artificial limbs; bags, paper; baskets, rattan and willow ware; binding; boxes, cigar; boxes, fancy and paper; brooms and brushes; carpets, rag; cars, railroad, street, and repairs; cheese and butter; clothing, women's; cordage and twine; dyeing and cleaning; electroplating; engraving, steel; engraving, wood; files; fruits and vegetables, canned and preserved; furniture, chairs; glass; glass, cut, stained, and orna-

TABLE LIII.—*Manufactures of 20 principal cities:* 1880—Continued.

CITY OF WASHINGTON.

Average number of hands employed.			Total amount paid in wages during the year.	Materials.	Products.	
Males above 16 years.	Females above 15 years.	Children and youths.				
5,496	1,389	261	*Dollars.* 3,924,612	*Dollars.* 5,365,400	*Dollars.* 11,882,316	
4	6	.....	3,581	4,643	13,924	1
113	.....	1	45,408	39,474	146,219	2
9	1	2	4,332	2,280	10,731	3
66	1	2	31,111	42,225	127,107	4
61	.....	.....	22,087	67,152	96,769	5
164	7	8	73,148	400,608	606,236	6
576	.....	120	123,161	62,575	314,298	7
245	.....	8	135,626	247,006	486,702	8
149	.....	5	69,496	53,277	183,205	9
157	68	2	98,778	178,302	376,065	10
14	.....	.....	6,356	84,680	100,020	11
32	.....	.....	19,631	41,440	92,640	12
80	24	2	40,131	122,263	221,902	13
28	.....	.....	11,300	10,770	25,770	14
6	.....	.....	2,632	5,600	19,200	15
25	.....	1	10,190	31,836	63,025	16
5	.....	1	1,965	3,900	12,375	17
87	.....	.....	29,600	156,250	267,250	18
40	.....	.....	21,508	1,071,600	1,172,375	19
198	.....	9	75,102	155,098	358,166	20
72	.....	.....	39,385	39,005	113,375	21
7	.....	.....	3,422	47,918	69,400	22
.....	27	.....	3,276	6,500	14,800	23
14	2	1	13,724	7,750	37,561	24
11	.....	.....	3,912	4,685	13,403	25
21	.....	2	12,444	11,310	37,533	26
28	.....	7	11,114	21,969	40,650	27
24	.....	.....	11,959	17,424	51,648	28
60	.....	4	30,186	162,739	275,232	29
40	.....	3	23,164	16,860	52,334	30
10	.....	.....	5,595	3,745	13,546	31
32	.....	.....	16,308	28,706	65,227	32
86	.....	5	40,920	124,925	192,792	33
137	.....	1	60,490	91,806	198,699	34
190	.....	.....	68,750	90,050	200,970	35
6	2	.....	2,000	12,640	17,440	36
24	.....	8	13,432	10,100	33,700	37
12	.....	.....	6,838	2,605	16,440	38
101	.....	2	50,044	49,387	143,471	39
9	.....	.....	7,098	7,200	20,454	40
259	.....	.....	99,500	171,250	316,500	41
34	5	.....	16,291	10,515	55,551	42
129	.....	6	66,194	102,799	225,193	43
1,026	688	28	1,478,880	827,519	2,896,312	44
45	.....	.....	19,471	33,157	80,349	45
22	.....	1	7,735	41,678	66,563	46
87	.....	3	44,857	96,472	192,081	47
81	.....	8	31,628	45,692	118,318	48
3	3	1	785	2,070	6,218	49
25	5	1	12,341	27,016	56,191	50
40	.....	5	24,361	6,345	42,360	51
7	.....	1	2,252	3,230	11,323	52
795	550	13	871,113	459,354	1,572,703	53

mented; gloves and mittens; ink; iron and steel; iron work, architectural and ornamental; leather, curried; leather, dressed skins; leather, tanned; lumber, sawed; mantels, slate, marble, and marbleized; musical instruments and materials (not specified); oil, neat's-foot; paints; paper (not specified); perfumery and cosmetics; shirts; spectacles and eyeglasses; stationery goods; stereotyping and electrotyping; stone- and earthen-ware; taxidermy; terra-cotta ware; type founding; vinegar; wire-work; and wood, turned and carved.

TABLE LIV.—*Manufactures: Special statistics*

1.—AGRICULTURAL IMPLEMENTS.

	States and Territories.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	
				Males above 16 years.	Females above 15 years.	Children and youths.		Value of lumber.	Value of iron and steel.
		No.	*Dollars.*				*Dollars.*	*Dollars.*	*Dollars.*
	The United States	1, 943	62, 109, 668	38, 313	73	1, 194	15, 359, 610	5, 669, 516	18, 083, 502
1	Alabama	20	13, 075	35	.....	1	7, 510	1, 750	5, 118
2	Arkansas	11	9, 985	24	.....	.....	5, 541	1, 690	4, 155
3	California	21	389, 500	286	.....	9	149, 995	137, 325	126, 550
4	Connecticut	21	832, 500	552	2	11	218, 514	100, 041	163, 466
5	Delaware	12	67, 400	66	.....	.....	20, 524	7, 036	8, 230
6	Georgia	20	200, 124	230	.....	44	77, 585	40, 320	218, 693
7	Illinois	220	11, 306, 955	6, 989	27	284	3, 186, 999	1, 332, 201	3, 499, 414
8	Indiana	96	3, 231, 818	2, 357	1	113	1, 010, 644	340, 855	1, 294, 773
9	Iowa	58	1, 185, 530	785	1	23	243, 635	130, 663	338, 605
10	Kansas	14	72, 450	102	.....	1	27, 962	6, 737	14, 511
11	Kentucky	86	2, 296, 037	999	10	24	364, 385	91, 922	474, 055
12	Louisiana	1	3, 000	5	.....	.....	600	100	500
13	Maine	28	726, 300	440	1	7	174, 075	19, 730	232, 105
14	Maryland	36	395, 400	338	.....	18	117, 791	56, 495	140, 150
15	Massachusetts	29	910, 000	956	1	16	365, 896	133, 850	449, 076
16	Michigan	143	2, 488, 287	1, 958	3	43	650, 192	252, 336	584, 101
17	Minnesota	32	2, 315, 222	1, 196	1	.....	507, 085	256, 762	451, 101
18	Mississippi	12	31, 900	61	.....	.....	16, 025	6, 203	21, 367
19	Missouri	74	645, 772	713	.....	13	276, 536	311, 235	250, 268
20	Nebraska	13	37, 550	54	.....	.....	15, 050	9, 580	18, 950
21	New Hampshire	17	196, 700	178	.....	.....	75, 068	10, 186	60, 194
22	New Jersey	40	208, 300	264	.....	2	61, 972	20, 925	50, 300
23	New York	265	9, 580, 009	6, 335	.....	127	2, 513, 875	757, 041	2, 775, 550
24	North Carolina	34	132, 800	199	.....	3	48, 550	11, 420	37, 078
25	Ohio	156	16, 111, 576	7, 281	13	242	2, 981, 065	778, 003	4, 680, 585
26	Oregon	4	35, 000	17	.....	1	9, 100	2, 200	3, 623
27	Pennsylvania	220	3, 452, 923	2, 540	.....	77	898, 608	433, 881	1, 024, 453
28	Rhode Island	4	18, 500	16	.....	.....	5, 219	1, 875	3, 725
29	South Carolina	7	18, 150	33	10	45	7, 050	1, 650	2, 300
30	Tennessee	33	161, 030	172	1	5	43, 277	13, 750	34, 300
31	Texas	13	33, 800	133	.....	6	46, 750	10, 300	25, 900
32	Utah	1	5, 000	16	.....	.....	11:232	400	2, 687
33	Vermont	35	640, 900	462	2	.....	165, 894	96, 038	153, 449
34	Virginia	51	536, 030	519	.....	11	162, 634	51, 976	158, 047
35	West Virginia	8	73, 050	63	.....	.....	18, 105	2, 004	12, 091
36	Wisconsin	108	3, 747, 095	1, 999	.....	68	874, 667	241, 036	764, 032

for principal industries: 1880.

1.—AGRICULTURAL IMPLEMENTS.

MATERIALS—cont'd.		PRODUCTS.											
		Seeders and planters.							Implements of cultivation.				
Value of all other materials.	Total value of all materials.	Corn-planters.	Cotton-planters.	Fertilizer distributers.	Grain-drills.	Grain-sowers.	Seed-sowers.	Transplanters.	Clod-crushers.	Cotton-choppers.	Cultivators.	Harrows.	
Dollars.	*Dollars.*	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	
7,778,152	31,531,170	68,691	19,288	8,155	43,222	15,563	20,289	4,245	684	138	318,057	127,997	
1,938	8,806	7	60	218	.....	.....	.....	.....	12	4	82	204	1
2,569	8,414	.....	185	.....	.....	.....	.....	.....	.....	.....	118	286	2
70,160	334,035	.....	.....	.....	.....	12	850	.....	9	.....	265	1,399	3
54,137	317,644	.....	.....	.....	.....	.....	252	.....	55	.....	5,358	2,091	4
4,355	19,621	.....	.....	.....	20	.....	.....	.....	.....	.....	980	547	5
78,833	337,846	.....	1,662	64	50	.....	6	.....	3	.....	33,612	216	6
1,891,315	6,722,930	43,180	150	1	4,132	2,480	550	.....	348	.....	132,513	37,732	7
546,509	2,182,137	1,584	.....	150	14,065	.....	2	.....	45	.....	6,092	3,618	8
131,828	601,096	13	.....	.....	20	.....	25	.....	2	.....	8,543	3,636	9
3,815	25,063	.....	.....	.....	.....	.....	.....	.....	.....	.....	549	1,028	10
257,415	823,392	567	500	.....	500	.....	.....	.....	37	12	21,462	13,993	11
50	650	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
77,840	329,675	.....	.....	.....	.....	.....	25	.....	.....	.....	1,396	376	13
30,545	227,190	161	.....	855	405	.....	930	.....	25	.....	2,218	501	14
51,826	634,752	195	.....	.....	.....	.....	956	.....	.....	.....	1,917	3,375	15
501,508	1,337,945	930	.....	49	250	200	151	.....	10	.....	27,908	26,362	16
268,027	975,890	1,200	.....	.....	.....	200	21	.....	.....	.....	454	510	17
4,550	32,120	28	356	300	.....	.....	.....	.....	12	22	140	200	18
37,512	599,015	318	50	.....	.....	.....	200	4,240	7	.....	271	1,628	19
1,500	30,030	.....	.....	.....	.....	.....	.....	.....	2	100	154	1,833	20
21,096	91,476	.....	.....	.....	.....	.....	.....	.....	.....	.....	480	418	21
24,212	95,437	12	.....	15	10	.....	1	.....	5	.....	6,074	1,700	22
1,047,419	4,580,010	172	.....	1,373	2,276	108	241	.....	8	.....	15,665	10,118	23
13,882	62,380	.....	1,394	2	.....	.....	.....	.....	25	.....	727	453	24
1,784,738	7,243,326	14,736	13,101	3,224	19,252	5,120	14,050	.....	41	.....	16,248	3,207	25
1,250	7,073	.....	.....	.....	.....	.....	.....	.....	.....	.....	13	51	26
330,086	1,788,420	967	1,600	1,822	1,286	118	20	.....	22	.....	7,684	1,367	27
1,110	6,710	.....	.....	.....	.....	.....	.....	.....	.....	.....	300	125	28
1,300	5,250	15	18	21	.....	.....	.....	5	2	.....	4	11	29
11,230	59,280	1	106	40	.....	.....	9	.....	1	.....	1,099	557	30
10,500	46,700	43	93	.....	40	.....	.....	.....	.....	.....	12,049	48	31
672	3,759	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
108,152	357,639	400	.....	.....	.....	.....	.....	.....	.....	.....	661	435	33
34,354	244,377	362	13	20	16	.....	.....	.....	13	.....	1,136	930	34
3,440	17,535	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22	35
368,479	1,373,547	3,800	.....	1	900	7,325	2,000	.....	.....	.....	11,885	9,020	36

TABLE LIV.—*Manufactures: Special statistics*

1.—AGRICULTURAL IMPLEMENTS—Continued.

	States and Territories.	PRODUCTS—continued.							
		Implements of cultivation—cont'd.				Harvesting implements.			
		Hoes.	Plows.	Shovels.	Rollers.	Fruit-gatherers.	Grain-cradles.	Harvesters.	Hand-rakes.
	The United States	*Dozen.* 299,338	*No.* 1,326,123	*Dozen.* 212,147	*No.* 3,002	*No.* 315	*No.* 167,492	*No.* 25,737	*Dozen.* 308,732
1	Alabama	17	2,753	34	30	.....	33	.....	8
2	Arkansas	80	603	.....	.....	.....	.....	.....	.....
3	California	1,803	6,107	.....	4	.....	.....	65	.....
4	Connecticut	20,760	52,175	170	211	.....	.....	.....	3,310
5	Delaware	33	855	10	26	.....	12	.....	.....
6	Georgia	10,047	70,462	1,713	3	.....	17	.....	19
7	Illinois	164	269,343	182	283	.....	632	11,806	179
8	Indiana	2,342	177,980	677	32	300	46,035	.....	281
9	Iowa	9,289	36,613	57	51	.....	13,416	200	3,054
10	Kansas	540	2,197	.....	3	.....	.....	.....	.....
11	Kentucky	97,410	130,791	2,346	81	.....	127	.....	37
12	Louisiana	.....	200	.....	.....	.....	.....	.....	.....
13	Maine	2,061	4,504	2,475	.....	.....	.....	.....	3,417
14	Maryland	61	20,809	.....	86	.....	625	5	10
15	Massachusetts	20,160	34,134	120,000	100	.....	2,000	.....	10,923
16	Michigan	18,390	40,684	20	394	15	37,713	.....	26,685
17	Minnesota	101	17,782	83	17	.....	111	1,720	6
18	Mississippi	52	8,490	46	.....	.....	30	.....	10
19	Missouri	1,660	9,611	6,762	61	.....	106	.....	4
20	Nebraska	.....	2,160	.....	5	.....	.....	.....	.....
21	New Hampshire	.....	1,360	6	1	.....	.....	.....	3,750
22	New Jersey	47	2,973	8	138	.....	135	.....	300
23	New York	67,889	97,815	3,084	816	.....	36,056	7,766	220,819
24	North Carolina	15	15,619	585	.....	.....	.....	.....	.....
25	Ohio	29,954	63,962	7,008	198	.....	18,928	3,440	18,882
26	Oregon	.....	176	.....	.....	.....	.....	.....	.....
27	Pennsylvania	8,918	84,898	66,054	226	.....	6,591	1	4,318
28	Rhode Island	.....	500	.....	20	.....	600	.....	175
29	South Carolina	2	680	25	1	.....	100	1	20
30	Tennessee	14	24,007	18	.....	.....	363	.....	1
31	Texas	275	17,655	415	.....	.....	.....	.....	.....
32	Utah	.....	400	.....	.....	.....	.....	.....	.....
33	Vermont	6,700	2,595	200	49	.....	2,400	.....	8,880
34	Virginia	121	78,843	133	12	.....	152	.....	44
35	West Virginia	23	195	35	.....	.....	1,150	225	.....
36	Wisconsin	410	46,192	1	154	.....	160	508	3,600

for principal industries: 1880—Continued.

1.—AGRICULTURAL IMPLEMENTS—Continued.

PRODUCTS—continued.												
Harvesting implements.												
Hay-forks.	Hay-loaders.	Hay-tedders.	Horse-rakes.	Lawn-mowers.	Mowers.	Potato-diggers.	Reapers.	Reapers and mowers combined.	Scythes.	Scythe-snaths.	Sickles.	
Dozen.	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	
206,727	8,957	2,334	95,625	47,661	72,090	33,453	35,327	54,920	1,244,264	437,178	95,613	
.....	.....	.....	3	.....	.....	.....	.....	1	.....	.....	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
.....	.....	150	716	.....	.....	.....	.....	36	.....	.....	.....	3
3,396	.....	50	342	7,500	.....	9,760	.....	.....	292,000	1,200	9,600	4
.....	.....	.....	30	.....	.....	.....	.....	12	.....	10	.....	5
1	.....	.....	2	.....	2	3	.....	.....	.....	20	4	6
4,866	227	200	10,662	6	9,537	220	1,747	3,310	.....	.....	.....	7
.....	.....	62	634	.....	310	30	1,500	1,806	1,110	37,867	.....	8
10,962	1	.....	1,326	.....	250	35	.....	150	1,428	60,531	.....	9
.....	.....	2	50	.....	.....	.....	.....	.....	.....	.....	.....	10
29	.....	.....	23	.....	.....	9	.....	.....	305	610	.....	11
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
1,050	.....	.....	253	.....	20	1,200	.....	.....	448,800	20,400	24,000	13
.....	.....	.....	878	.....	.....	20	35	.....	.....	600	.....	14
630	.....	700	2,340	200	1,567	10	.....	2	.....	15,000	.....	15
30,855	8	.....	15,417	.....	55	12,224	.....	.....	.....	56,590	.....	16
2	.....	.....	600	.....	1,200	.....	300	3,500	112	2,212	.....	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
2	.....	.....	1,230	.....	15	.....	.....	10	.....	.....	.....	19
.....	.....	.....	.....	.....	.....	.....	63	.....	.....	.....	.....	20
.....	.....	.....	.....	.....	200	.....	.....	10	204,800	.....	.....	21
157	.....	.....	61	.....	50	.....	15	35	7	2	3	22
20,796	3,650	1,007	11,401	9,592	27,410	669	16,028	8,663	201,452	32,300	1,000	23
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24
27,261	1	.....	44,159	13,000	29,267	8,274	14,179	36,346	.....	51,850	61,000	25
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26
62,218	5,036	28	4,414	17,363	1,550	604	268	255	19,732	7,542	.....	27
.....	.....	.....	25	.....	30	.....	.....	.....	.....	300	.....	28
1	.....	.....	.....	.....	1	.....	.....	.....	6	4	6	29
1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	30
.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	31
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
44,500	.....	.....	450	.....	.....	370	.....	.....	74,400	150,000	.....	33
.....	.....	.....	60	.....	.....	.....	4	.....	.....	.....	.....	34
.....	.....	.....	6	.....	375	.....	45	420	.....	.....	.....	35
.....	34	135	541	.....	251	25	1,143	364	112	140	.....	36

TABLE LIV.—*Manufactures: Special statistics*

1.—AGRICULTURAL IMPLEMENTS—Continued.

	States and Territories.	PRODUCTS—continued.					
		Seed separators.					
		Clover-hullers.	Corn-huskers.	Corn-shellers.	Fanning mills.	Separators.	Thrashers.
	The United States	*No.* 1,412	*No.* 44,370	*No.* 59,157	*No.* 45,412	*No.* 9,103	*No.* 10,424
1	Alabama						7
2	Arkansas						
3	California				1,500		139
4	Connecticut		25	11,687	92		8
5	Delaware			75		11	11
6	Georgia			100			
7	Illinois		44,136	11,935	858	612	703
8	Indiana	532		30	2,331	873	176
9	Iowa			85	378	800	70
10	Kansas				180		
11	Kentucky		24	1,500	327	15	50
12	Louisiana						
13	Maine			29		46	32
14	Maryland	300		603	210	91	147
15	Massachusetts			2,105	160		69
16	Michigan			225	12,325	1,256	156
17	Minnesota				1,399		1,650
18	Mississippi			200			
19	Missouri			3,125	675		125
20	Nebraska						
21	New Hampshire						
22	New Jersey	25		140	46	146	114
23	New York	79	52	4,616	1,512	732	1,668
24	North Carolina			125			7
25	Ohio	436		20,300	2,865	1,488	2,253
26	Oregon					100	5
27	Pennsylvania	40	129	1,567	2,743	810	979
28	Rhode Island						
29	South Carolina		1	1	1		
30	Tennessee		3	100	60	23	40
31	Texas						
32	Utah						
33	Vermont				200	250	250
34	Virginia			408	132	180	50
35	West Virginia						
36	Wisconsin			201	17,418	1,670	1,715

for principal industries: 1880—Continued.

1.—AGRICULTURAL IMPLEMENTS—Continued.

PRODUCTS—continued.												
Miscellaneous.										Value of all other products not specified.	Total value of all products.	
Cane-mills.	Cider- and wine-mills.	Feed steamers and boilers.	Hay- and straw-cutters.	Hay-presses.	Horse-powers.	Stalk-pullers.	Stone-gatherers.	Stump-pullers.	Sirup-evaporators.			
No. 2,356	*No.* 10,202	*No.* 1,482	*No.* 33,883	*No.* 791	*No.* 11,161	*No.* 93	*No.* 9,068	*No.* 703	*No.* 1,460	*Dollars.* 10,493,432	*Dollars.* 68,640,486	
.....	.....	.....	.....	.....	.....	.....	.....	.....	1	7,890	29,014	1
50	.....	.....	.....	20	.....	.....	.....	.....	.....	8,906	23,860	2
.....	.....	.....	.....	22	74	.....	200	.....	.....	132,865	586,338	3
.....	1,902	.....	2,993	.....	50	.....	333	.....	.....	80,278	719,627	4
.....	.....	.....	.....	3	7	.....	.....	.....	.....	25,347	57,776	5
100	.....	50	2	.....	.....	.....	.....	.....	10	117,525	601,935	6
6	591	.....	581	580	1,507	45	.....	1	14	1,390,761	13,498,575	7
250	.....	150	301	3	143	.....	70	126	204	694,107	4,460,408	8
11	.....	173	1,230	.....	111	12	6,379	.....	.....	262,259	1,271,872	9
.....	.....	.....	.....	.....	.....	.....	932	.....	.....	24,506	73,477	10
435	409	25	3,846	3	276	.....	.....	.....	233	457,402	1,647,116	11
6	.....	.....	.....	.....	.....	.....	.....	.....	5	1,400	2,000	12
.....	95	.....	195	.....	71	.....	.....	10	.....	79,596	661,445	13
3	200	650	1,905	.....	139	.....	.....	1	.....	68,855	574,672	14
.....	200	.....	5,350	.....	20	.....	50	80	.....	33,475	1,670,242	15
.....	8	33	3,167	.....	680	.....	290	125	70	639,558	3,102,638	16
.....	.....	50	1	.....	1,000	.....	400	.....	.....	25,978	2,340,288	17
.....	.....	.....	.....	.....	100	.....	.....	.....	.....	13,305	68,640	18
634	1,800	.....	452	.....	250	12	.....	18	306	293,795	1,141,822	19
.....	.....	.....	5	.....	.....	.....	.....	.....	.....	9,085	77,032	20
.....	.....	.....	600	.....	.....	.....	.....	.....	.....	4,250	212,850	21
.....	46	75	76	.....	205	.....	.....	.....	.....	62,411	242,984	22
401	557	22	4,766	15	807	.....	97	34	40	1,288,873	10,707,766	23
65	5	.....	200	100	62	.....	.....	.....	37	49,710	178,449	24
11	3,660	1	2,990	.....	1,881	.....	.....	5	.....	3,069,574	15,479,825	25
.....	.....	.....	.....	.....	25	.....	.....	.....	.....	10,800	24,450	26
1	386	163	1,857	.....	1,407	.....	.....	81	.....	707,593	3,686,212	27
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,750	15,068	28
.....	1	.....	1	1	.....	.....	.....	.....	.....	2,715	17,475	29
150	.....	.....	206	1	40	24	.....	.....	100	24,800	182,116	30
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	52,811	143,700	31
.....	.....	.....	12	.....	2	.....	.....	.....	.....	12,000	16,991	32
.....	24	.....	135	.....	281	.....	65	.....	350	156,605	718,455	33
108	318	.....	2,590	43	189	.....	12	1	15	162,732	602,959	34
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11,000	60,340	35
95	.....	90	422	.....	1,834	.....	240	221	75	508,915	3,742,069	36

TABLE LIV.—*Manufactures: Special statistics*

2.—BOOTS AND SHOES (FACTORY INDUSTRY). (*a*)

	States and Territories.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.		
				Males above 16 years.	Females above 15 years.	Children and youths.		Sides sole leather.	Sides upper leather. (*b*)	Other leather.
		No.	*Dollars.*				*Dollars.*	*Number.*	*Number.*	*Pounds.*
	United States	1,959	42,994,028	82,547	25,122	3,483	43,001,438	6,831,661	21,147,656	32,960,614
1	California	81	1,001,183	2,246	165	88	1,064,938	151,637	285,209	134,700
2	Colorado	1	60,000	75	.....	.....	17,500	5,000	9,000	.....
3	Connecticut	26	631,000	1,012	383	17	529,058	83,797	274,600	360,535
4	Georgia	4	41,800	35	1	2	11,445	7,250	10,582	3,400
5	Idaho	1	4,000	8	1	1	3,750	200	500	200
6	Illinois	33	1,729,200	1,718	242	100	755,769	126,132	290,752	319,187
7	Indiana	12	226,500	304	33	4	111,465	20,472	58,039	76,700
8	Iowa	3	61,040	135	4	.....	32,950	10,580	28,710	22,000
9	Kansas	3	16,000	62	.....	5	13,800	3,290	5,570	6,000
10	Kentucky	15	197,100	315	129	28	159,587	48,355	141,842	19,300
11	Louisiana	4	17,000	115	.....	.....	53,618	5,375	8,900	1,540
12	Maine	52	1,369,000	2,634	1,180	105	1,335,168	288,761	804,252	1,332,900
13	Maryland	34	590,600	1,271	450	75	595,603	75,363	128,188	416,913
14	Massachusetts	982	21,098,133	46,988	13,374	1,289	24,875,106	3,852,455	11,754,766	22,632,639
15	Michigan	10	343,500	690	67	26	340,172	62,002	167,172	57,645
16	Minnesota	5	463,000	357	24	21	207,218	42,313	99,621	62,534
17	Mississippi	2	14,500	27	4	1	6,715	1,080	1,905	6,000
18	Missouri	26	642,800	864	225	193	447,663	89,836	239,220	181,133
19	New Hampshire	59	1,696,200	3,390	985	59	1,792,832	487,437	1,412,113	1,124,121
20	New Jersey	89	964,245	2,392	809	117	1,278,269	203,209	811,575	577,683
21	New York	272	6,227,537	9,072	3,711	631	4,902,132	678,588	2,404,208	3,865,521
22	North Carolina	5	34,000	97	1	10	23,900	6,300	10,000	46,100
23	Ohio	51	1,154,200	2,255	671	278	1,089,116	144,655	464,610	422,575
24	Oregon	1	10,000	15	.....	.....	10,000	1,500	4,000	.....
25	Pennsylvania	145	3,627,840	5,085	2,442	318	2,820,976	320,435	1,440,970	1,023,085
26	Tennessee	3	6,000	23	.....	3	9,905	1,087	2,226	3,397
27	Utah	8	60,050	117	33	36	55,220	6,066	19,004	14,230
28	Vermont	6	88,000	93	8	.....	41,950	10,200	24,200	16,800
29	Virginia	5	60,800	172	42	7	30,381	12,979	16,572	6,500
30	West Virginia	1	10,000	10	.....	.....	3,500	646	2,267	.....
31	Wisconsin	20	548,800	970	138	69	331,732	84,661	227,083	227,276

a This table includes the products of boot and shoe factories only. In addition, there were returned in the census 16,013 custom and repair shops. The aggregate of all production of boots and shoes appears in Table LI.

b Including morocco, calf, and other skins used in the manufacture of uppers.

for principal industries: 1880—Continued.

2.—BOOTS AND SHOES (FACTORY INDUSTRY).

MATERIALS—continued.		PRODUCTS.						
Value of all other materials.	Total value of all materials.	Boots. (c)	Value.	Shoes.	Value.	Value of unspecified products.	Total value of all products.	
Dollars.	*Dollars.*	*Pairs.*	*Dollars.*	*Pairs.*	*Dollars.*	*Dollars.*	*Dollars.*	
20, 939, 969	102, 442, 442	30, 590, 896	53, 223, 265	94, 887, 615	112, 109, 343	717, 746	166, 050, 354	
607, 152	2, 022, 487	247, 119	1, 006, 993	1, 603, 186	2, 627, 941	14, 617	3, 649, 551	1
16, 100	78, 100	25, 000	100, 000	12, 500	25, 000	.....	125, 000	2
177, 813	1, 335, 397	209, 500	479, 300	1, 119, 400	1, 722, 775	9, 310	2, 211, 385	3
2, 933	64, 241	400	2, 000	65, 930	87, 325	400	89, 725	4
250	2, 100	1, 000	5, 000	2, 000	4, 000	1, 500	10, 500	5
221, 395	1, 834, 999	526, 523	1, 783, 619	933, 088	1, 385, 471	13, 936	3, 183, 026	6
39, 692	296, 448	99, 167	270, 834	115, 543	205, 811	200	476, 845	7
20, 220	166, 090	77, 648	207, 040	23, 600	35, 000	1, 000	243, 040	8
3, 560	34, 350	11, 600	28, 000	22, 607	27, 314	500	55, 814	9
48, 046	339, 433	13, 916	65, 000	277, 592	512, 232	1, 500	578, 732	10
19, 618	85, 000	1, 156	8, 760	51, 180	152, 480	2, 850	164, 090	11
620, 571	3, 880, 446	1, 758, 681	2, 411, 590	3, 917, 173	3, 356, 091	55, 860	5, 823, 541	12
274, 666	1, 216, 118	46, 192	236, 231	1, 088, 630	1, 922, 295	54, 437	2, 212, 963	13
14, 128, 760	59, 906, 773	23, 018, 813	36, 317, 193	55, 493, 381	59, 278, 934	304, 383	95, 900, 510	14
132, 210	736, 184	153, 696	421, 900	596, 344	782, 395	11, 960	1, 216, 255	15
46, 511	571, 644	268, 112	735, 220	128, 279	190, 472	4, 500	930, 192	16
1, 200	12, 162	700	3, 500	11, 500	16, 950	1, 325	21, 775	17
196, 486	1, 224, 796	292, 674	841, 435	736, 380	1, 140, 308	1, 250	1, 982, 993	18
391, 747	4, 751, 968	1, 443, 267	1, 634, 964	5, 966, 004	5, 536, 393	59, 447	7, 230, 804	19
293, 530	2, 837, 861	43, 253	143, 574	4, 102, 969	4, 528, 337	17, 375	4, 689, 286	20
2, 177, 328	11, 502, 251	1, 394, 459	3, 828, 662	9, 716, 272	15, 098, 977	51, 620	18, 979, 259	21
5, 050	65, 000	700	3, 000	78, 200	102, 600	2, 000	107, 600	22
352, 770	2, 498, 178	228, 788	746, 319	2, 048, 817	3, 410, 930	10, 227	4, 167, 476	23
8, 000	27, 500	9, 000	45, 000	.....	.....	.....	45, 000	24
937, 828	5, 425, 844	300, 932	858, 598	5, 860, 615	8, 667, 102	64, 302	9, 590, 002	25
683	17, 191	2, 290	13, 510	9, 040	20, 530	1, 786	35, 826	26
18, 171	108, 160	16, 349	58, 175	94, 749	124, 310	7, 184	189, 669	27
9, 923	126, 688	66, 640	157, 700	38, 300	38, 500	2, 000	198, 200	28
10, 352	116, 893	1, 087	3, 640	135, 842	176, 871	7, 009	187, 520	29
1, 457	11, 000	4, 534	17, 002	.....	.....	.....	17, 002	30
175, 947	1, 147, 140	327, 700	789, 506	638, 494	931, 999	15, 268	1, 736, 773	31

c Includes ladies', misses', and children's lace boots.

TABLE LIV.—*Manufactures: Special statistics*

3.—BRICK AND TILE.

	States and Territories.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.		
				Males above 16 years.	Females above 15 years.	Children and youths.		Wood.	Value of all other materials.	Total value of all materials.
		No.	*Dollars.*				*Dollars.*	*Cords.*	*Dollars.*	*Dollars.*
	The United States	5, 631	27, 673, 616	59, 032	268	7, 055	13, 443, 532	1, 157, 522	5, 750, 303	9, 774, 834
1	Alabama	38	78, 525	428	....	139	68, 397	12, 300	9, 055	53, 225
2	Arizona	1	2, 500	10	....	.....	4, 500	300	750	2, 250
3	Arkansas	32	38, 700	339	....	36	53, 775	7, 841	7, 345	36, 000
4	California	50	378, 650	838	....	1	210, 035	15, 207	88, 597	157, 625
5	Colorado	46	362, 600	797	....	33	267, 410	13, 612	135, 272	194, 003
6	Connecticut	48	328, 350	511	9	21	132, 476	9, 620	54, 244	91, 022
7	Dakota	14	25, 600	108	....	.....	33, 622	3, 561	4, 526	16, 366
8	Delaware	15	102, 400	230	....	77	55, 216	1, 514	26, 998	33, 683
9	Dist. of Columbia	16	330, 600	576	....	120	123, 161	4, 327	48, 540	62, 575
10	Florida	9	7, 850	104	....	3	12, 458	2, 940	2, 175	9, 750
11	Georgia	76	212, 660	1, 022	14	192	188, 883	32, 750	17, 199	115, 747
12	Idaho	2	2, 500	11	....	...	3, 340	255	750	1, 850
13	Illinois	616	2, 397, 023	5, 319	13	571	1, 288, 604	99, 950	572, 734	955, 584
14	Indiana	735	1, 408, 264	3, 908	4	328	716, 254	136, 257	251, 475	694, 226
15	Iowa	280	478, 614	2, 063	13	175	426, 120	44, 205	108, 958	270, 963
16	Kansas	103	125, 825	948	19	79	174, 111	20, 202	17, 816	90, 935
17	Kentucky	115	302, 175	1, 162	1	216	233, 702	30, 975	51, 342	145, 503
18	Louisiana	31	87, 425	305	13	40	68, 626	9, 540	5, 770	30, 067
19	Maine	96	280, 549	621	....	16	106, 538	18, 377	66, 731	122, 887
20	Maryland	79	1, 168, 158	2, 049	....	202	478, 189	5, 406	218, 311	243, 284
21	Massachusetts	114	1, 668, 200	2, 370	9	22	465, 589	66, 392	186, 092	521, 875
22	Michigan	179	710, 259	1, 730	45	158	346, 845	66, 053	86, 562	236, 878
23	Minnesota	87	281, 705	928	5	77	200, 208	33, 721	27, 660	114, 610
24	Mississippi	54	106, 125	593	4	112	89, 053	11, 8[illegible]4	11, 770	42, 979
25	Missouri	230	989, 415	2, 271	8	458	705, 975	43, 768	241, 594	388, 364
26	Montana	5	17, 500	68	....	.....	21, 400	1, 845	1, 450	11, 400
27	Nebraska	87	130, 740	585	3	74	150, 189	16, 186	39, 259	102, 078
28	Nevada	2	1, 200	13	....	.....	3, 974	400	545	1, 245
29	New Hampshire	67	120, 845	642	....	.....	118, 408	23, 729	15, 910	90, 251
30	New Jersey	107	1, 731, 300	2, 575	26	148	665, 482	14, 683	503, 315	559, 037
31	New Mexico	1	800	8	....	.....	600	83	125	500
32	New York	321	3, 923, 405	6, 715	29	619	1, 613, 766	105, 785	681, 351	1, 196, 925
33	North Carolina	66	54, 390	433	3	178	49, 928	12, 171	5, 893	34, 657
34	Ohio	825	2, 723, 528	5, 527	17	583	1, 114, 133	122, 937	831, 972	1, 185, 794
35	Oregon	23	55, 496	184	1	2	43, 814	6, 614	3, 407	19, 197
36	Pennsylvania	521	5, 028, 524	7, 135	6	1, 285	2, 077, 168	24, 570	1, 224, 156	1, 332, 758
37	Rhode Island	1	100, 000	195	....	.....	32, 000	3, 000	10, 000	24, 000
38	South Carolina	29	31, 100	269	2	96	35, 903	6, 563	3, 225	17, 208
39	Tennessee	90	343, 354	1, 224	7	322	247, 227	25, 199	58, 913	139, 568
40	Texas	113	183, 530	1, 042	8	135	204, 499	31, 290	16, 567	105, 074
41	Utah	28	121, 575	147	....	41	34, 890	1, 539	12, 935	19, 825
42	Vermont	25	133, 250	216	....	8	38, 610	5, 220	6, 080	18, 735
43	Virginia	84	290, 085	1, 180	....	245	188, 072	16, 815	37, 275	80, 420
44	Washington	2	3, 000	16	....	.....	2, 430	300	300	1, 150
45	West Virginia	47	242, 950	384	1	61	111, 301	8, 914	16, 576	39, 961
46	Wisconsin	119	560, 872	1, 205	8	182	231, 351	38, 552	38, 483	161, 400
47	Wyoming	2	1, 500	28	....	.....	5, 300	250	300	1, 400

for principal industries: 1880—Continued.

3.—BRICK AND TILE.

PRODUCTS.							
Common brick.	Fire-brick.	Pressed brick.	Value of tile.	Value of drain pipe.	Value of all other products.	Total value of all products.	
Number. 3, 822, 362, 000	*Number.* 163, 184, 000	*Number.* 210, 815, 000	*Dollars.* 2, 944, 239	*Dollars.* 1, 765, 428	*Dollars.* 729, 926	*Dollars.* 32, 833, 587	
24, 695, 000	1, 250, 000	650, 000	3, 500	12, 100	.....	159, 952	1
1, 200, 000	.....	.....	.....	.....	.....	9, 600	2
14, 303, 000	78. 000	2, 515, 000	5, 250	1, 000	.....	117, 370	3
63, 427, 000	510, 000	630, 000	60, 210	1, 000	800	516, 261	4
65, 628, 000	4, 040, 000	13, 725, 000	1, 500	.....	.....	605, 028	5
40, 131, 000	225, 000	701, 000	19, 900	9, 140	17, 200	299, 194	6
7, 680, 000	.....	1, 165, 000	.....	.....	.....	66, 685	7
11, 903, 000	35, 000	1, 100, 000	6, 500	.....	8, 150	125, 610	8
50, 715, 000	.....	1, 689, 000	.....	.....	.....	314, 298	9
4, 845, 000	430, 000	.....	.....	.....	.....	28, 100	10
56, 865, 000	1, 470, 000	3, 582, 000	1, 250	5, 225	500	409, 025	11
595, 000	.....	.....	.....	.....	.....	6, 990	12
370, 450, 000	2, 962, 000	2, 778, 000	737, 822	189, 708	15, 815	3, 065, 302	13
204, 737, 000	1, 470, 000	14, 248, 000	643, 570	74, 622	15, 647	1, 927, 858	14
123, 250, 000	2, 613, 000	4, 709, 000	51, 681	6, 610	2, 350	944, 497	15
54, 838. 000	255, 000	602, 000	260	100	.....	355, 668	16
84, 678, 000	210, 000	6, 490, 000	6, 200	.....	1, 000	506, 705	17
17, 933, 000	.....	1, 010, 000	403	.....	.....	133, 265	18
39, 135, 000	157, 000	520, 000	1, 470	75, 000	30, 000	310. 958	19
96, 264, 000	6, 050, 000	10, 025, 000	20, 038	19, 967	10, 450	933, 988	20
183, 185, 000	280, 000	4, 933, 000	19, 338	31, 420	124, 632	1, 322, 628	21
130, 212, 000	560, 000	14, 891, 000	95, 401	58, 501	4, 880	822, 475	22
78, 270, 000	440. 000	1, 768, 000	900	300	500	502, 975	23
26. 597, 000	.....	85, 000	25	.....	110	194, 870	24
219, 834, 000	10, 017, 000	11, 886, 000	79, 280	31, 020	7, 755	1, 602, 522	25
3, 650, 000	.....	200, 000	.....	.....	.....	43, 150	26
44, 081, 000	677, 000	2, 260, 000	900	.....	.....	349, 478	27
1, 055, 000	150, 000	.....	.....	.....	.....	8, 355	28
48, 040, 000	475, 000	619, 000	4, 500	.....	.....	282, 725	29
138, 887, 000	17, 513, 000	4, 610, 000	129, 454	142, 800	124, 250	1, 672, 533	30
250, 000	.....	.....	.....	.....	.....	1, 500	31
575, 996, 000	12, 861, 000	25, 542, 000	146, 891	163, 981	139, 842	4, 108, 464	32
20, 079, 000	1, 495, 000	2, 482, 000	2, 625	.....	1, 100	150, 874	33
296 224, 000	19, 878, 000	10, 365, 000	676, 405	834, 918	44, 611	3, 481, 291	34
14, 628, 000	.....	3, 000	1, 150	15, 000	3, 000	104, 240	35
383, 222, 000	61, 907, 000	40, 320, 000	164, 112	75, 476	111, 993	4, 813, 153	36
15, 000, 000	.....	.....	.....	.....	.....	75, 000	37
11, 575, 000	835, 000	30, 000	7, 325	.....	.....	80, 819	38
69, 200, 000	1, 148, 000	9, 006, 000	15, 422	50	43, 891	523, 113	39
52, 431, 000	657, 000	9, 530, 000	4, 070	3, 000	6, 400	448, 418	40
6, 855, 000	400, 000	780, 000	2, 050	40	500	85, 392	41
13, 760, 000	30, 000	.....	2, 200	7, 500	100	83, 650	42
51, 111, 000	821, 000	2, 973, 000	5, 820	4, 170	2, 700	398, 789	43
600, 000	.....	.....	.....	.....	.....	6, 000	44
13, 497, 000	10, 960, 000	236, 000	18, 725	1, 500	10, 200	218, 710	45
89, 851, 000	325, 000	2, 157, 000	8, 092	1, 250	1, 490	607, 609	46
1, 000, 000	.....	.....	.....	.....	.....	8, 500	47

TABLE LIV.—*Manufactures: Special statistics*

4.—CARPETS, OTHER THAN RAG.

	States.	Establishments.	Capital.	Average number of hands employed.			Wages and salaries of all employed during the year.	Machines.					
				Males above 16 years.	Females above 15 years.	Children and youths.		Sets of cards.	Daily capacity of same in scoured wool.	Combing machines of foreign manufacture.	Daily capacity of same in scoured wool.	Combing machines of American manufacture.	Daily capacity of same in scoured wool.
		No.	*Dollars.*				*Dollars.*	*No.*	*Lbs.*	*No.*	*Lbs.*	*No.*	*Lbs.*
	United States...	195	21,468,587	10,104	8,570	1,697	6,835,218	285	73,275	64	30,850	91	19,950
1	Connecticut	2	3,085,000	695	703	256	565,654	25	7,500	14	6,000	1	200
2	Maine	1	300	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	Maryland.....	1	10,000	75	.....	.....	9,900	.....	.....	.....	.....	.....	.....
4	Massachusetts....	7	4,637,646	1,596	2,259	53	1,223,302	74	16,960	18	10,550	46	9,000
5	New Jersey.....	2	103,000	120	65	58	48,000	5	1,000	.....	.....	5	400
6	New York.....	10	6,422,158	1,887	3,159	556	1,952,391	132	32,440	10	3,500	34	9,350
7	Pennsylvania.....	172	7,210,483	5,731	2,384	774	3,035,971	49	15,375	22	10,800	5	1,000

	States.	Materials—continued.											
		Camels' hair and noils consumed.	Value.	Mohair and noils consumed.	Value.	Buffalo hair and noils consumed.	Value.	Hair of other animals consumed.	Value.	Shoddy used, or waste, not including that made in mill.	Value.	Cotton warp used on woolen goods.	Value.
		Lbs.	*Doll.*	*Lbs.*	*Doll.*	*Lbs.*	*Doll.*	*Lbs.*	*Doll.*	*Lbs.*	*Dolls.*	*Pounds.*	*Dollars.*
	United States...	46,300	8,808	4,000	700	30,840	2,354	65,700	5,250	90,469	12,442	9,544,214	1,799,646
1	Connecticut	.....	.....	.....	.....	.....	.....	.....	.....	5,183	585	258,035	54,607
2	Maine	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	Maryland.....	.....	.....	.....	.....	.....	.....	.....	.....	42,000	5,000	20,000	4,000
4	Massachusetts....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,106,991	222,405
5	New Jersey.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76,000	15,500
6	New York.....	46,300	8,808	4,000	700	30,840	2,354	25,700	2,850	1,400	1,000	1,855,427	342,506
7	Pennsylvania.....	.....	.....	.....	.....	.....	.....	40,000	2,400	41,886	5,857	6,227,761	1,160,628

	States.	Products.						
		Value of production at wholesale.	Brussels carpet.	Ingrain carpet, 2-ply.	Ingrain carpet, 3-ply.	Venetian carpet.	Tapestry carpet.	Velvet carpet.
		Dollars.	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
	United States...	31,792,802	4,077,190	21,986,434	862,394	1,984,201	9,441,195	60,000
1	Connecticut	2,500,559	704,783	1,553,047	296,904	.....	.....	.....
2	Maine	1,200	.....	1,300	.....	.....	.....	.....
3	Maryland.....	50,000	.....	68,000	.....	.....	.....	.....
4	Massachusetts....	6,337,629	1,884,723	1,579,479	79,530	.....	1,998,634	.....
5	New Jersey	179,500	.....	16,600	.....	.....	.....	.....
6	New York.....	8,419,254	568,208	1,514,315	355,000	.....	5,642,561	.....
7	Pennsylvania.....	14,304,660	919,476	17,254,293	130,960	1,984,201	1,800,000	60,000

for principal industries: 1880—Continued.

4.—CARPETS, OTHER THAN RAG.

LOOMS.							SPINDLES.		MATERIALS.				
Broad looms on woolen goods.	Narrow looms on worsted goods.	Hand looms.	Brussels power looms.	Ingrain power looms.	Tapestry looms.	Sewing machines.	Woolen spindles.	Worsted spindles.	Foreign wool in condition, purchased during the year.	Domestic wool in condition, purchased during the year.	Scoured wool (not including waste purchased and shoddy) consumed during the year.	Value at mill of foreign and domestic wool consumed.	
No.	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*	*Pounds.*	*Pounds.*	*Pounds.*	*Dollars.*	
6	75	3,995	756	1,873	547	11	32,853	82,256	34,008,252	2,020,318	23,563,216	6,975,129	
.....	.....	10	84	295	.....	.....	4,250	12,358	4,901,000	1,362	3,436,636	907,834	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
.....	.....	12	.....	.....	.....	.....	.....	.....	.....	28,500	20,000	11,400	3
.....	75	.....	250	260	161	.....	7,860	26,918	10,252,159	62,845	6,173,475	1,622,630	4
6	.....	30	9	33	26	.....	840	1,232	223,800	.....	175,000	58,188	5
.....	.....	149	68	273	360	8	8,592	26,748	10,598,254	504,884	8,098,831	2,399,164	6
.....	.....	3,794	345	1,012	.....	3	11,305	15,000	8,033,039	1,431,727	5,659,274	1,975,913	7

MATERIALS—continued.

Woolen yarn used, not made in mill.	Value.	Worsted yarn used, not made in mill.	Value.	Value of chemicals and dyestuffs.	Cords of wood.	Value.	Coal.	Value.	Value of all other materials used. (a)	Total value of all materials.	
Pounds.	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*	*No.*	*Dolls.*	*Tons.*	*Dollars.*	*Dollars.*	*Dollars.*	
8,985,162	2,507,182	4,091,115	2,858,199	1,369,439	767	3,899	60,641	259,581	3,092,248	18,984,877	
147,000	43,050	40,500	24,300	127,283	253	1,275	7,804	37,022	250,243	1,446,199	1
1,000	350	300	250	150	3	15	3	20	.....	785	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	11,600	32,000	3
.....	.....	1,540,076	1,096,866	251,473	202	1,241	12,269	68,128	687,930	3,950,673	4
.....	.....	.....	.....	10,300	15	57	820	3,280	22,100	109,425	5
89,300	21,707	222,450	132,268	321,644	151	737	18,191	74,186	1,145,486	4,453,410	6
8,747,862	2,532,075	2,287,789	1,604,515	658,589	143	574	21,554	76,945	974,889	8,992,385	7

PRODUCTS.

Wilton carpet.	Axminster carpet.	Cottage carpet.	Dutch carpet.	Rag carpet.	Druggets.	Rugs.	Noils, shorts, &c.	Lasting.	Serges.	Worsted yarn made and sold, not used at mill.	Woolen yarn made and sold, not used at mill.	Value of products not heretofore named.	
Yards.	*Yards.*	*Yards.*	*Yds.*	*Yards.*	*No.*	*No.*	*Lbs.*	*Yards.*	*Yds.*	*Pounds.*	*Pounds.*	*Dolls.*	
157,629	303,366	241,220	12,000	157,005	40,000	47,530	288,614	167,452	55,748	1,134,143	1,265,240	334,181	
67,845	18,921	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
50,784	.....	.....	.....	10,000	.....	.....	288,614	167,452	55,748	586,220	.....	158,086	4
.....	.....	.....	.....	.....	40,000	27,000	.....	.....	.....	.....	.....	.....	5
.....	196,725	.....	.....	38,500	.....	3,130	.....	.....	.....	327,057	.....	1,095	6
30,000	87,720	241,220	12,000	108,505	.....	17,400	.....	.....	.....	220,866	1,265,240	175,000	7

a Including 6,559,550 pounds of shoddy yarn, valued at $559,133.

TABLE LIV.—*Manufactures: Special statistics*

5.—CHEESE AND BUTTER. (*a*)

	States and Territories.	Establishments.	ALL FACTORIES. Capital (real and personal) invested in the business.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Total quantity of milk used at the factory during the year.
		No.	*Dollars.*				*Dollars.*	*Pounds.*
	United States	3,932	9,604,803	6,419	1,330	154	1,546,495	2,747,427,449
1	Arizona	2	2,100	4	2	.....	600	184,000
2	California	216	1,039,365	357	20	14	70,434	57,471,634
3	Colorad	2	11,000	6	.....	.....	1,050	667,000
4	Connecticut	16	36,775	29	4	.....	11,360	10,621,660
5	Dakota	4	10,200	3	.....	.....	210	125,200
6	Delaware	3	18,200	4	3	1	610	620,000
7	District Columbia	1	10,000	8	.....	.....	3,300	1,825,000
8	Idaho	6	15,250	8	5	.....	2,100	1,098,000
9	Illinois	285	933,586	631	56	11	233,974	316,636,778
10	Indiana	49	82,345	104	16	2	20,587	20,826,012
11	Iowa	244	657,508	670	91	34	139,813	181,635,746
12	Kansas	48	81,765	70	12	6	10,420	7,983,102
13	Kentucky	8	20,100	11	2	1	1,200	1,276,900
14	Maine	41	82,512	48	9	1	8,213	7,637,901
15	Maryland	14	22,950	18	.....	.....	3,471	5,821,000
16	Massachusetts	22	97,550	46	5	1	14,277	16,671,069
17	Michigan	74	129,925	88	23	3	21,103	35,161,812
18	Minnesota	27	71,149	31	5	2	7,680	6,424,923
19	Missouri	30	123,990	38	12	7	8,464	9,185,585
20	Montana	3	10,250	6	.....	.....	470	470,000
21	Nebraska	21	81,165	28	7	2	5,921	4,442,801
22	Nevada	2	3,200	3	.....	.....	130	87,500
23	New Hampshire	2	10,400	1	3	.....	780	2,539,868
24	New Jersey	11	42,170	30	1	1	8,395	9,683,992
25	New York	1,652	3,576,214	2,526	808	34	623,391	1,385,333,504
26	North Carolina	2	900	.....	.....	.....	.....	19,000
27	Ohio	452	948,702	701	104	14	162,985	325,527,447
28	Oregon	24	192,650	32	6	1	6,170	3,467,942
29	Pennsylvania	146	395,020	253	43	8	51,943	98,218,237
30	Tennessee	2	1,800	4	.....	1	300	198,000
31	Utah	11	22,402	14	.....	6	2,035	1,645,985
32	Vermont	85	202,300	126	28	2	22,535	48,440,401
33	Virginia	4	33,700	8	.....	.....	950	964,500
34	Washington	2	16,467	8	.....	.....	1,600	1,684,860
35	West Virginia	7	7,550	8	3	.....	1,104	987,929
36	Wisconsin	414	613,643	497	62	2	98,920	181,841,161

a Not including farm products.

for principal industries: 1880—Continued.

5.—CHEESE AND BUTTER.

CHEESE FACTORIES.			BUTTER FACTORIES.				
Cheese made.	Total value of materials.	Total value of products.	Butter made.	Value of buttermilk and skimmed milk sold.	Total value of materials.	Total value of products.	
Pounds.	*Dollars.*	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*	*Dollars.*	
171,750,495	10,063,670	13,991,221	16,471,163	41,393	2,732,333	3,868,235	
17,700	2,640	6,195	400	.....	120	200	1
1,154,121	70,567	122,967	2,074,344	5,990	269,367	467,467	2
64,500	5,400	8,385	2,100	.....	502	840	3
201,820	12,479	19,762	93,365	1,140	17,962	28,127	4
700	70	140	5,800	.....	932	2,120	5
.....	.....	.....	25,800	.....	4,620	7,710	6
.....	.....	.....	.....	.....	.....	.....	7
97,000	6,010	12,535	3,600	.....	580	764	8
4,977,286	336,278	462,178	2,414,668	2,300	439,609	591,604	9
1,153,714	75,192	111,060	281,232	2,567	64,125	87,059	10
2,302,936	138,400	215,729	5,458,595	8,245	965,304	1,304,763	11
791,384	42,308	70,247	11,482	25	1,551	2,536	12
.....	.....	.....	49,100	.....	7,854	14,178	13
777,365	46,852	73,942	6,000	150	840	1,650	14
.....	.....	.....	190,525	4,741	47,710	69,616	15
1,093,943	65,117	99,297	52,150	8,200	18,142	28,737	16
3,291,738	200,152	292,971	9,850	.....	1,114	1,994	17
452,191	25,062	41,618	62,450	.....	9,735	14,426	18
550,265	38,934	54,219	126,884	275	23,020	32,989	19
24,500	2,450	4,660	9,000	.....	2,250	3,240	20
273,506	15,332	26,077	20,672	.....	2,782	4,456	21
.....	.....	.....	3,500	25	875	1,587	22
.....	.....	.....	99,068	2,700	20,683	27,887	23
36,400	3,276	10,920	15,600	.....	3,510	3,900	24
108,722,852	6,375,556	8,720,490	4,197,424	.....	626,669	870,383	25
.....	.....	.....	1,000	.....	152	250	26
17,808,191	1,012,663	1,361,124	235,341	.....	30,138	39,933	27
146,534	9,869	18,548	84,500	45	10,364	24,668	28
6,087,805	340,001	487,629	453,020	1,855	82,728	110,563	29
9,000	540	900	3,600	.....	648	1,080	30
140,022	10,059	18,974	12,020	515	2,036	2,954	31
4,575,341	282,535	389,956	5,000	100	630	1,100	32
26,000	1,690	2,600	29,100	.....	5,096	8,021	33
70,000	4,480	7,000	47,963	.....	7,314	11,820	34
96,687	6,378	10,238	.....	.....	.....	.....	35
16,806,994	932,380	1,340,860	386,010	2,520	63,401	99,673	36

TABLE LIV.—*Manufactures: Special statistics*

5.—CHEESE AND BUTTER—Continued.

	States and Territories.	COMBINED BUTTER AND SKIM CHEESE FACTORIES.				
		Butter made.	Cheese made.	Value of buttermilk and skimmed milk sold.	Total value of materials.	Total value of products.
	United States..	*Pounds.* 12, 950, 621	*Pounds.* 44, 134, 866	*Dollars.* 32, 060	*Dollars.* 4, 540, 718	*Dollars.* 6, 335, 466
1	Arizona	.....	.....	.....	.....	.....
2	California	.....	.....	.....	.....	.....
3	Colorado	.....	.....	.....	.....	.....
4	Connecticut	126, 546	23, 662	19, 203	32, 456	57, 684
5	Dakota	.....	.....	.....	.....	.....
6	Delaware	.....	.....	.....	.....	.....
7	District Columbia.	67, 600	155, 460	2, 535	36, 500	44, 920
8	Idaho	.....	.....	.....	.....	.....
9	Illinois	4, 136, 361	15, 240, 839	5, 802	1, 803, 606	2, 374, 562
10	Indiana	53, 287	155, 550	.....	18, 289	26, 930
11	Iowa	724, 518	473, 877	375	157, 612	215, 908
12	Kansas	.....	.....	.....	.....	.....
13	Kentucky	.....	.....	.....	.....	.....
14	Maine	.....	.....	.....	.....	.....
15	Maryland	38, 800	62, 000	.....	12, 480	18, 340
16	Massachusetts	92, 067	277, 922	.....	34, 596	47, 487
17	Michigan	33, 366	221, 307	.....	17, 213	22, 912
18	Minnesota	21. 000	10, 000	.....	3, 465	6, 050
19	Missouri	13, 980	39, 800	75	3, 996	8, 920
20	Montana	.....	.....	.....	.....	.....
21	Nebraska	45, 100	50, 447	.....	9, 677	15, 789
22	Nevada	.....	.....	.....	.....	.....
23	New Hampshire	.....	.....	.....	.....	.....
24	New Jersey	342, 802	466, 818	3, 314	78, 705	108. 243
25	New York	4, 758, 354	12, 078, 272	.....	1, 116, 372	1, 652, 089
26	North Carolina	.....	.....	.....	.....	.....
27	Ohio	1, 852, 902	12, 553, 247	.....	941, 249	1, 355, 736
28	Oregon	.....	.....	.....	.....	.....
29	Pennsylvania	533, 820	1, 870, 246	120	232, 639	317, 276
30	Tennessee	.....	.....	.....	.....	.....
31	Utah	.....	.....	.....	.....	.....
32	Vermont	6, 837	8, 500	.....	1, 287	2, 066
33	Virginia	.....	.....	.....	.....	.....
34	Washington	.....	.....	.....	.....	.....
35	West Virginia	.....	.....	.....	.....	.....
36	Wisconsin	103, 281	446, 919	636	40, 576	60, 554

for principal industries: 1880—Continued.

5.—CHEESE AND BUTTER—Continued.

CONDENSED MILK FACTORIES.			ALL FACTORIES.		
Value of materials.	Condensed milk produced.	Value of condensed milk produced.	Total value of all materials.	Total value of all products.	
Dollars.	*Pounds.*	*Dollars.*	*Dollars.*	*Dollars.*	
1, 026, 858	13, 033, 267	1, 547, 588	18, 363, 579	25, 742, 510	
.....	.....	.....	2, 760	6, 395	1
.....	.....	.....	339, 934	590. 434	2
.....	.....	.....	5, 902	9, 225	3
24, 923	453, 156	28, 867	87, 820	134, 440	4
.....	.....	.....	1, 002	2, 260	5
.....	.....	.....	4, 620	7, 710	6
.....	.....	.....	36, 500	44, 920	7
.....	.....	.....	6, 590	13, 239	8
260, 834	3, 645, 408	447, 741	2, 840, 327	3, 876, 085	9
.....	.....	.....	157, 606	225, 049	10
.....	.....	.....	1, 261, 316	1, 736, 400	11
.....	.....	.....	43, 859	72, 783	12
.....	.....	.....	7, 854	14, 178	13
.....	.....	.....	47, 692	75, 592	14
.....	.....	.....	60, 190	87, 956	15
10, 990	108, 371	18, 589	128, 845	194, 110	16
.....	.....	.....	218. 479	317, 877	17
.....	.....	.....	38. 262	62, 094	18
.....	.....	.....	65, 950	96, 128	19
.....	.....	.....	4, 700	7, 900	20
.....	.....	.....	27, 791	46, 322	21
.....	.....	.....	875	1, 587	22
.....	.....	.....	20, 683	27, 887	23
.....	.....	.....	85, 491	123, 003	24
730, 111	8, 826, 332	1, 052, 391	8, 848, 708	12, 295, 353	25
.....	.....	.....	152	250	26
.....	.....	.....	1, 985, 050	2, 756, 793	27
.....	.....	.....	20, 233	43, 216	28
.....	.....	.....	655, 368	915, 468	29
.....	.....	.....	1, 188	1, 980	30
.....	.....	.....	12, 095	21, 928	31
.....	.....	.....	284, 422	393. 122	32
.....	.....	.....	6, 786	10, 621	33
.....	.....	.....	11, 794	18, 820	34
.....	.....	.....	6, 378	10, 238	35
.....	.....	.....	1, 036, 357	1, 501, 087	36

TABLE LIV.—*Manufactures: Special statistics*

6.—CHEMICAL PRODUCTS.

	States and Territories.	Establishments.	CAPITAL.			AVERAGE NUMBER OF HANDS EMPLOYED.		
			Value of buildings.	Value of machinery.	Total capital.	Males above 16 years.	Females above 15 years.	Children and youths.
	The United States	*No.* 1,349	*Dollars.* 19,019,139	*Dollars.* 15,656,476	*Dollars.* 85,394,211	26,776	1,493	1,251
1	California	42	368,300	409,725	2,406,350	548	16	9
2	Colorado	2	7,000	1,250	36,000	18	2	.....
3	Connecticut	41	285,050	305,250	1,434,250	506	30	4
4	Delaware	23	177,200	219,900	931,379	370	142	27
5	District of Columbia	12	73,500	41,900	205,967	132	.....	2
6	Florida	1	400	150	700	2	.....	.....
7	Georgia	4	65,600	28,000	245,000	82	.....	7
8	Illinois	52	784,429	747,849	3,348,550	1,293	72	98
9	Indiana	16	27,400	36,550	102,700	73	.....	.....
10	Iowa	17	63,456	54,221	219,600	108	6	3
11	Kansas	12	17,290	15,635	68,000	43	.....	2
12	Kentucky	15	172,988	137,700	712,440	157	27	.....
13	Louisiana	7	61,000	63,301	218,701	87	8	5
14	Maine	24	113,600	72,800	398,480	161	.....	.....
15	Maryland	60	959,350	570,839	5,578,302	1,361	.....	19
16	Massachusetts	179	1,530,233	1,067,998	6,828,473	2,016	63	64
17	Michigan	38	65,500	66,200	258,692	198	2	4
18	Minnesota	6	35,035	19,000	113,500	30	7	.....
19	Missouri	39	767,154	691,922	3,415,300	1,114	31	29
20	Nebraska	7	35,800	35,175	119,300	65	2	7
21	Nevada	7	31,800	24,800	274,500	53	.....	.....
22	New Hampshire	20	31,175	12,025	80,600	49	1	.....
23	New Jersey	62	1,712,920	1,372,344	7,371,400	2,345	78	232
24	New York	217	5,508,678	3,619,314	20,141,586	5,552	429	270
25	North Carolina	1	40,000	30,000	350,000	100	.....	25
26	Ohio	92	1,134,100	938,579	5,961,003	1,541	140	122
27	Oregon	2	3,950	8,200	22,000	8	.....	.....
28	Pennsylvania	181	3,932,125	3,824,031	18,349,930	4,273	336	187
29	Rhode Island	41	284,250	353,050	1,291,136	605	74	8
30	South Carolina	29	396,550	592,730	3,496,300	2,680	10	70
31	Tennessee	9	41,206	45,471	127,600	64	.....	1
32	Texas	6	7,000	5,833	30,000	16	.....	3
33	Utah	2	4,700	7,700	20,000	4	.....	.....
34	Vermont	11	50,800	28,550	195,900	95	.....	.....
35	Virginia	38	133,250	105,800	645,700	795	3	30
36	West Virginia	9	23,650	50,300	140,900	93	.....	10
37	Washington	1	500	200	2,000	3	.....	.....
38	Wisconsin	24	72,200	52,784	251,972	136	14	13

for principal industries: 1880—Continued.

6.—CHEMICAL PRODUCTS.

Total amount paid in wages during the year.	MATERIALS.						
	Anthracite coal.	Value.	Bituminous coal.	Value.	Value of all other materials.	Total value of all materials.	
Dollars.	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Dollars.*	*Dollars.*	
11,840,704	273,161	968,432	319,398	913,885	75,589,519	77,471,836	
282,614	1,793	14,987	6,718	43,404	2,060,687	2,119,078	1
18,200	.....	.....	288	1,162	47,838	49,000	2
270,754	17,497	54,124	1,015	5,145	1,763,166	1,822,435	3
100,026	2,011	14,004	.....	.....	795,070	809,074	4
46,875	302	1,260	920	3,536	212,123	216,919	5
315	.....	.....	.....	.....	500	500	6
28,377	.....	.....	.....	.....	209,600	209,600	7
571,317	2,993	9,293	19,821	71,878	5,854,259	5,935,430	8
23,116	.....	.....	802	3,084	86,460	89,544	9
34,020	45	130	995	3,405	175,175	178,710	10
12,992	.....	.....	320	1,679	126,421	128,100	11
63,475	.....	.....	6,060	12,610	455,363	467,973	12
45,943	.....	.....	400	2,000	154,007	156,007	13
53,461	2,656	13,333	350	2,100	313,108	328,541	14
535,125	1,950	8,442	31,788	127,185	4,490,010	4,625,637	15
953,784	17,065	75,028	14,886	76,748	7,238,927	7,390,703	16
65,158	.....	.....	3,270	6,627	171,358	177,985	17
19,024	.....	.....	.....	.....	115,100	115,100	18
542,769	668	4,321	30,644	74,976	3,976,977	4,056,274	19
24,936	.....	.....	1,127	4,122	206,198	210,320	20
33,670	.....	.....	.....	.....	37,075	37,075	21
19,849	.....	.....	.....	.....	48,660	48,660	22
1,172,654	76,909	215,945	5,492	23,981	5,848,370	6,088,296	23
2,901,960	75,308	306,563	17,419	61,380	20,050,075	20,418,018	24
40,000	.....	.....	.....	.....	150,000	150,000	25
706,434	100	105	49,353	101,158	4,974,132	5,075,395	26
3,700	.....	.....	.....	.....	10,000	10,000	27
2,151,799	60,934	193,393	106,734	205,203	12,687,296	13,085,892	28
274,657	3,260	15,999	7,000	34,712	1,118,491	1,169,202	29
577,100	9,525	40,725	4,541	23,250	1,211,140	1,275,115	30
14,406	.....	.....	704	2,324	36,790	39,114	31
9,488	.....	.....	.....	.....	12,825	12,825	32
2,778	.....	.....	12	78	23,564	23,642	33
23,422	36	155	.....	.....	27,185	27,340	34
125,010	.....	.....	1,160	4,600	524,075	528,675	35
32,999	.....	.....	5,387	8,543	64,463	73,006	36
1,000	.....	.....	.....	.....	2,000	2,000	37
57,397	109	625	2,192	8,995	311,031	320,651	38

TABLE LIV.—*Manufactures: Special statistics*

6.—CHEMICAL PRODUCTS—Continued.

	States and Territories.	PRODUCTS.					
		Aniline colors.		Anthracene.		Sulphate of ammonia.	
	The United States.	*Pounds.* 80, 518	*Dollars.* 107, 292	*Pounds.* 344, 114	*Dollars.* 99, 242	*Pounds.* 16, 575, 088	*Dollars.* 618, 485
1	California						
2	Colorado						
3	Connecticut					375, 000	15, 000
4	Delaware						
5	District of Columbia			62, 684	8, 875	530, 000	21, 200
6	Florida						
7	Georgia						
8	Illinois					1, 148, 000	43, 000
9	Indiana						
10	Iowa						
11	Kansas						
12	Kentucky					400, 000	16, 000
13	Louisiana					287, 000	10, 045
14	Maine						
15	Maryland			4, 664	717		
16	Massachusetts					950, 000	35, 000
17	Michigan						
18	Minnesota						
19	Missouri					250, 000	10, 500
20	Nebraska						
21	Nevada						
22	New Hampshire						
23	New Jersey					1, 100, 000	41, 250
24	New York	80, 518	107, 292	265, 516	73, 650	3, 872, 000	149, 160
25	North Carolina						
26	Ohio					2, 500, 000	86, 250
27	Oregon						
28	Pennsylvania			11, 250	16, 000	4, 999, 738	185, 290
29	Rhode Island					142, 350	5, 000
30	South Carolina						
31	Tennessee						
32	Texas						
33	Utah						
34	Vermont						
35	Virginia					21, 000	790
36	West Virginia						
37	Washington						
38	Wisconsin						

for principal industries: 1880—Continued.

6.—CHEMICAL PRODUCTS—Continued.

PRODUCTS—continued.								
Alum.		Borax.		Bromine.		Phosphorus.		
Pounds.	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	
39, 217, 725	808, 165	3, 692, 443	277, 233	404, 690	114, 752	56, 292	29, 271	
		1, 422, 443	107, 333					1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
								13
								14
								15
								16
								17
								18
								19
								20
		2, 270, 000	169, 900					21
								22
6, 378, 550	91, 961					56, 292	29, 271	23
3, 750, 000	70, 000							24
								25
				150, 850	40, 462			26
								27
29, 089, 175	646, 204			90, 000	25, 120			28
								29
								30
								31
								32
								33
								34
								35
				163, 840	49, 170			36
								37
								38

TABLE LIV.—*Manufactures: Special statistics*

6.—CHEMICAL PRODUCTS—Continued.

	States and Territories.	PRODUCTS—continued.					
		Castor oil.		Stearic acid candles.		Soaps.	
						Oleic acid soap.	
		Gallons.	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*
	The United States	893, 802	790, 741	18, 363, 066	2, 281, 600	33, 058, 411	1, 707, 969
1	California	50, 000	45, 000	2, 596, 000	375, 000	2, 135, 000	94, 300
2	Colorado						
3	Connecticut					1, 800	108
4	Delaware						
5	District of Columbia						
6	Florida						
7	Georgia						
8	Illinois	192, 000	140, 350	1, 000, 000	130, 000	1, 818, 000	190, 720
9	Indiana						
10	Iowa						
11	Kansas	13, 000	10, 100				
12	Kentucky			1, 811, 920	206, 263	461, 880	15, 386
13	Louisiana						
14	Maine						
15	Maryland					140, 000	6, 890
16	Massachusetts					10, 000	600
17	Michigan						
18	Minnesota						
19	Missouri	436, 302	394, 041	2, 200, 000	284, 000	8, 540, 000	312, 400
20	Nebraska						
21	Nevada						
22	New Hampshire						
23	New Jersey	200, 000	200, 000			630, 000	36 600
24	New York			940, 000	150, 000	1, 904, 946	99, 224
25	North Carolina						
26	Ohio	2, 500	1, 250	9, 815, 146	1, 136, 337	14, 689, 619	710, 356
27	Oregon						
28	Pennsylvania					2, 359, 966	225, 482
29	Rhode Island					270, 000	10, 800
30	South Carolina						
31	Tennessee						
32	Texas						
33	Utah						
34	Vermont						
35	Virginia						
36	West Virginia						
37	Washington						
38	Wisconsin					97, 200	5, 103

for principal industries: 1880—Continued.

6.—CHEMICAL PRODUCTS—Continued.

PRODUCTS—continued.								
Soaps—continued.				Glycerine.		Nitro-glycerine.		
Other hard soaps.		Soft soaps.						
Pounds.	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	
378,743,627	18,299,350	34,494,100	358,280	7,117,825	961,477	3,039,722	1,830,417	
8,927,500	429,860	.....	.....	394,800	38,736	1,242,424	655,680	1
1,860,000	60,000	.....	.....	.....	.....	.....	.....	2
2,626,534	188,041	949,408	11,327	.....	.....	.....	.....	3
742,000	34,000	.....	.....	.....	.....	.....	.....	4
1,400,679	55,024	.....	.....	.....	.....	.....	.....	5
16,000	600	.....	.....	.....	.....	.....	.....	6
.....	.....	.....	.....	.....	.....	.....	.....	7
68,204,500	3,183,520	3,519,144	36,600	.....	.....	.....	.....	8
1,808,500	61,587	6,000	100	.....	.....	.....	.....	9
3,574,025	177,609	122,710	2,711	.....	.....	.....	.....	10
3,698,000	159,268	.....	.....	.....	.....	.....	.....	11
2,907,000	112,800	.....	.....	220,964	24,625	.....	.....	12
3,970,000	164,000	.....	.....	.....	.....	.....	.....	13
1,004,000	59,162	1,758,760	22,617	.....	.....	.....	.....	14
8,178,000	350,310	.....	.....	.....	.....	.....	.....	15
32,991,877	1,545,125	15,505,880	163,479	.....	.....	90,000	54,000	16
2,028,500	85,157	145,520	1,552	.....	.....	80,000	44,000	17
2,610,000	116,900	.....	.....	.....	.....	.....	.....	18
16,537,869	562,563	250,000	2,750	400,000	38,000	.....	.....	19
522,000	26,160	.....	.....	.....	.....	.....	.....	20
413,200	24,792	.....	.....	.....	.....	.....	.....	21
800,225	33,012	2,777,256	37,846	.....	.....	.....	.....	22
23,062,320	1,328,741	1,579,000	6,430	.....	.....	454,990	338,037	23
95,927,871	4,833,497	4,804,510	50,686	2,190,000	312,000	72,000	54,000	24
.....	.....	.....	.....	.....	.....	.....	.....	25
35,709,464	1,495,505	45,000	575	3,912,061	548,116	577,473	259,863	26
420,000	24,000	.....	.....	.....	.....	.....	.....	27
39,433,197	2,219,580	1,217,232	8,076	.....	.....	522,835	424,837	28
8,367,540	440,270	736,360	7,242	.....	.....	.....	.....	29
40,000	1,400	.....	.....	.....	.....	.....	.....	30
1,222,930	48,000	24,000	300	.....	.....	.....	.....	31
610,000	28,375	27,400	290	.....	.....	.....	.....	32
608,000	38,360	.....	.....	.....	.....	.....	.....	33
350,700	20,750	89,600	1,225	.....	.....	.....	.....	34
1,123,000	52,785	.....	.....	.....	.....	.....	.....	35
64,785	4,530	832,000	3,120	.....	.....	.....	.....	36
80,000	4,800	20,000	300	.....	.....	.....	.....	37
6,903,411	329,267	84,320	1,054	.....	.....	.....	.....	38

TABLE LIV.—*Manufactures: Special statistics*

6.—CHEMICAL PRODUCTS—Continued.

	States and Territories.	PRODUCTS—continued.					
		Manufactured manures.		Dry colors.		White lead.	
		Tons.	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*
	The United States.	727,453	19,921,400	67,482,415	4,086,821	123,477,890	8,770,699
1	California	1,000	20,000			4,000,000	260,000
2	Colorado						
3	Connecticut	7,475	248,050	6,490,000	638,000		
4	Delaware	37,917	998,165				
5	District of Columbia	6,300	199,000				
6	Florida						
7	Georgia	11,287	341,500				
8	Illinois	27,015	633,990	203,000	12,125	7,889,079	489,181
9	Indiana	1,574	44,877				
10	Iowa	960	13,000				
11	Kansas						
12	Kentucky	1,665	42,000	832,000	12,480	2,365,000	176,550
13	Louisiana	1,823	68,106				
14	Maine	5,850	175,000				
15	Maryland	191,571	5,457,258	2,599,541	52,922	3,240,000	249,000
16	Massachusetts	69,387	1,920,623	7,432,442	590,389	4,758,521	360,073
17	Michigan	900	27,000				
18	Minnesota	600	12,000				
19	Missouri	5,905	146,932	156,000	17,680	26,400,324	1,813,600
20	Nebraska	470	4,700			3,000,000	350,000
21	Nevada						
22	New Hampshire						
23	New Jersey	80,859	2,290,202	4,362,000	405,200		
24	New York	88,336	2,636,159	14,643,968	1,409,734	28,144,009	1,951,507
25	North Carolina	12,000	300,000				
26	Ohio	13,365	377,025	1,775,000	154,600	13,140,458	967,321
27	Oregon						
28	Pennsylvania	53,567	1,432,345	25,325,464	759,551	30,540,499	2,153,467
29	Rhode Island	11,979	156,427				
30	South Carolina	64,794	1,537,230				
31	Tennessee	314	12,670				
32	Texas						
33	Utah						
34	Vermont			3,662,000	33,840		
35	Virginia	28,921	791,341				
36	West Virginia	629	16,300				
37	Washington						
38	Wisconsin	1,050	19,500	1,000	300		

for principal industries: 1880—Continued.

6.—CHEMICAL PRODUCTS—Continued.

PRODUCTS—continued.								
Other salts of lead.		Ground barytes.		Zinc oxide.		Acetate of lime.		
Pounds.	*Dollars.*	*Tons.*	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	
11,375,466	758,680	19,165	371,829	20,121,761	766,337	6,593,009	156,892	
100,000	65,000							1
								2
		6,000	150,000					3
								4
								5
								6
								7
								8
								9
								10
								11
150,000	9,000							12
								13
		2,200	50,000					14
						224,000	6,720	15
627,474	40,000					135,000	3,500	16
						1,500,000	30,000	17
								18
1,082,000	71,100	4,425	100,094	660,000	29,700			19
								20
								21
								22
				16,774,756	654,051	80,000	1,800	23
5,234,360	292,400					3,171,544	78,086	24
								25
345,000	21,500			30,405	2,888			26
								27
3,831,632	259,205	1,500	20,000	2,656,600	79,698	1,260,000	30,650	28
						45,000	2,250	29
								30
		465	10,685					31
								32
								33
						177,465	3,886	34
		4,575	41,050					35
5,000	475							36
								37
								38

TABLE LIV.—*Manufactures: Special statistics*

6.—CHEMICAL PRODUCTS—Continued.

	States and Territories.	PRODUCTS—continued.					
		Potash and pearlash.		Soda.		Sulphur.	
		Pounds.	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*
	The United States	4,571,671	232,643	40,259,938	866,560	1,200,000	21,000
1	California						
2	Colorado						
3	Connecticut						
4	Delaware						
5	District of Columbia						
6	Florida						
7	Georgia						
8	Illinois						
9	Indiana	232,500	11,625				
10	Iowa						
11	Kansas						
12	Kentucky						
13	Louisiana						
14	Maine	279,299	14,010				
15	Maryland						
16	Massachusetts						
17	Michigan	1,393,962	62,542				
18	Minnesota	146,000	5,840				
19	Missouri						
20	Nebraska						
21	Nevada			1,800,000	16,560	1,200,000	21,000
22	New Hampshire						
23	New Jersey						
24	New York	515,500	23,442				
25	North Carolina						
26	Ohio	493,229	20,761				
27	Oregon						
28	Pennsylvania			38,459,938	850,000		
29	Rhode Island						
30	South Carolina						
31	Tennessee						
32	Texas						
33	Utah						
34	Vermont						
35	Virginia						
36	West Virginia						
37	Washington						
38	Wisconsin	1,511,181	94,423				

for principal industries: 1880—Continued.

6.—CHEMICAL PRODUCTS—Continued.

PRODUCTS—continued.						
Sulphuric acid.		Glucose.		Value of all other products.	Total value of all products.	
Pounds.	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*	*Dollars.*	
308, 765, 432	3, 661, 876	151, 740, 400	4, 551, 212	44, 927, 101	117, 377, 324	
5, 105, 995	129, 195	.....	.....	959, 596	3, 179, 700	1
.....	.....	.....	.....	35, 000	95, 000	2
5, 163, 669	53, 500	.....	.....	1, 115, 717	2, 419, 743	3
.....	.....	.....	.....	107, 921	1, 140, 086	4
400, 000	5, 000	.....	.....	33, 340	322, 439	5
.....	.....	.....	.....	520	1, 120	6
.....	.....	.....	.....	12, 000	353, 500	7
4, 140, 000	62, 000	48, 380, 000	1, 450, 400	1, 309, 439	7, 681, 325	8
.....	.....	.....	.....	38, 281	156, 470	9
.....	.....	860, 400	25, 812	68, 611	287, 743	10
.....	.....	.....	.....	16, 865	186, 233	11
.....	.....	.....	.....	111, 151	726, 255	12
1, 050, 000	15, 750	.....	.....	71, 758	329, 659	13
2, 000, 000	35, 000	.....	.....	207, 728	563, 517	14
43, 920, 000	340, 840	.....	.....	778, 465	7, 243, 122	15
23, 016, 381	326, 666	.....	.....	5, 565, 207	10, 604, 662	16
980, 000	4, 916	.....	.....	107, 937	363, 104	17
.....	.....	.....	.....	85, 800	220, 540	18
2, 880, 000	57, 600	.....	.....	1, 986, 538	5, 827, 498	19
.....	.....	.....	.....	6, 140	387, 000	20
1, 440, 000	16, 540	.....	.....	34, 740	283, 532	21
.....	.....	.....	.....	38, 053	108, 911	22
74, 994, 625	693, 113	.....	.....	3, 382, 921	9, 499, 577	23
41, 363, 543	438, 723	102, 500, 000	3, 075, 000	14, 001, 054	29, 805, 614	24
.....	.....	.....	.....	.....	300, 000	25
24, 200, 000	386, 000	.....	.....	1, 469, 565	7, 678, 374	26
.....	.....	.....	.....	.....	24, 000	27
66, 346, 819	937, 522	.....	.....	10, 611, 964	20, 884, 991	28
9, 500, 000	130, 000	.....	.....	1, 216, 052	1, 968, 041	29
.....	.....	.....	.....	1, 154, 423	2, 693, 053	30
.....	.....	.....	.....	49, 865	121, 520	31
.....	.....	.....	.....	9, 010	37, 675	32
.....	.....	.....	.....	.....	38, 360	33
.....	.....	.....	.....	41, 795	101, 496	34
897, 000	9, 000	.....	.....	112, 200	1, 007, 166	35
1, 367, 400	20, 511	.....	.....	115, 204	209, 310	36
.....	.....	.....	.....	500	5, 600	37
.....	.....	.....	.....	71, 741	521, 388	38

TABLE LIV.—*Manufactures: Special statistics*

COKE (see page 1208).

7.—SPECIFIC COTTON MANUFACTURES.

	States and Territories.	Establishments.	Capital.	Spindles.	Looms.	Average number of yarn.
		No.	*Dollars.*	*No.*	*No.*	
	The United States	756	208, 280, 346	10, 653, 435	225, 759	.....
1	Alabama	16	1, 246, 500	49, 432	863	11
2	Arkansas	2	75, 000	2, 015	28	10
3	Connecticut	82	20, 310, 500	936, 376	18, 261	37
4	Delaware	8	874, 570	46, 188	822	20
5	Florida	1	11, 000	816	.....	10
6	Georgia	40	6, 348, 657	198, 656	4, 493	14
7	Illinois	2	240, 000	4, 860	24	8
8	Indiana	4	1, 090, 000	33, 396	776	15
9	Kentucky	3	360, 000	9, 022	73	9
10	Louisiana	2	195, 000	6, 096	120	8
11	Maine	24	15, 292, 078	695, 924	15, 971	24
12	Maryland	19	4, 600, 816	125, 706	2, 425	10
13	Massachusetts	175	72, 291, 601	4, 236, 084	95, 321	28
14	Michigan	1	20, 000	5, 100	131	20
15	Minnesota	1	5, 000	1, 708	24	.....
16	Mississippi	8	1, 122, 140	18, 568	644	12
17	Missouri	3	890 000	19, 312	431	12
18	New Hampshire	36	19, 877, 084	944, 053	24, 299	26
19	New Jersey	17	3, 807, 750	232, 221	3, 180	32
20	New York	36	11, 399, 638	561, 658	12, 403	33
21	North Carolina	49	2, 855, 800	92, 385	1, 790	14
22	Ohio	4	670, 000	13, 328	42	8
23	Pennsylvania	59	10, 331, 985	425, 391	8, 488	17
24	Rhode Island	115	28, 047, 331	1, 764, 569	29, 669	36
25	South Carolina	14	2, 776, 100	82, 334	1, 676	11
26	Tennessee	16	1, 145, 600	35, 736	818	13
27	Texas	2	50, 000	2, 648	71	8
28	Utah	1	20, 000	432	14	11
29	Vermont	7	936, 096	55, 081	1, 180	28
30	Virginia	8	1, 190, 100	44, 340	1, 322	16
31	Wisconsin	1	200, 000	10, 000	400	19

COTTON MANUFACTURES: SPECIAL MILLS.

[See Remarks on page 926.]

States.	Establishments.	Capital.	Spindles.	Looms.	Operatives.	Wages of operatives.	Cotton consumed.	Cost.	Total value of all products.
	No.	*Dollars.*	*No.*	*No.*	*No.*	*Dollars.*	*Bales.*	*Dollars.*	*Dollars.*
The United States.	249	11, 224, 448	60, 242	4, 025	12, 928	3, 573, 909	40, 597	2, 338, 385	*a* 18, 860, 273

a The excess of value of product above ordinary manufactures of cotton is to be attributed mainly to the fact that the cotton used forms but a small part of the material in many cases.

for principal industries: 1880—Continued.

COKE (see page 1209).

7.—SPECIFIC COTTON MANUFACTURES.

Operatives and officers.	Average number of hands employed. Operatives. Male. 16 and over.	Operatives. Male. Under 16.	Operatives. Female. 15 and over.	Operatives. Female. Under 15.	Mechanics, watchmen, and laborers. Male. 16 and over.	Mechanics, watchmen, and laborers. Male. Under 16.	Officers and clerks. Male. 16 and over.	Officers and clerks. Male. Under 16.	Officers and clerks. Female. 15 and over.	Officers and clerks. Female. Under 15.	Wages of operatives.	
a 174,659	49,748	15,042	84,539	13,213	9,937	65	2,075	17	19	4	*Dollars.* 42,040,510	
1,490	299	198	631	235	85	.....	42	.....	.....	.....	239,998	1
64	12	13	17	14	4	.....	4	.....	.....	.....	7,339	2
14,739	5,363	1,678	5,434	1,231	771	7	234	6	11	4	3,632,639	3
797	210	109	362	83	27	.....	6	.....	.....	.....	192,727	4
33	15	10	2	.....	4	.....	2	.....	.....	.....	5,000	5
6,349	1,437	655	2,951	748	416	8	134	.....	.....	.....	1,135,184	6
237	51	44	88	38	9	.....	6	.....	1	.....	47,885	7
720	151	60	391	64	42	.....	12	.....	.....	.....	162,829	8
352	104	72	91	61	20	.....	4	.....	.....	.....	63,850	9
108	30	14	41	10	9	.....	4	.....	.....	.....	12,572	10
11,864	3,149	820	6,481	600	709	.....	104	1	.....	.....	2,936,640	11
4,086	1,035	476	1,877	463	191	.....	44	.....	.....	.....	766,129	12
61,844	18,700	4,346	31,496	3,213	3,480	11	594	3	1	.....	15,828,571	13
88	29	8	38	6	5	.....	2	.....	.....	.....	16,800	14
22	2	.....	12	6	2	.....	.....	.....	.....	.....	6,400	15
722	132	85	313	120	44	1	27	.....	.....	.....	133,214	16
515	95	93	207	88	25	.....	7	.....	.....	.....	97,680	17
16,529	3,917	858	9,594	839	1,187	.....	131	1	2	.....	4,290,960	18
4,222	1,006	374	2,291	329	174	5	43	.....	.....	.....	1,156,961	19
9,305	2,414	937	4,201	1,148	523	4	75	3	.....	.....	1,994,755	20
3,343	657	304	1,727	429	107	8	111	.....	.....	.....	439,659	21
484	106	26	320	11	18	.....	2	.....	1	.....	104,500	22
9,957	2,918	1,104	4,454	971	421	11	74	1	3	.....	2,502,688	23
21,474	6,690	2,244	9,199	1,683	1,355	3	299	1	.....	.....	5,320,303	24
2,053	503	148	772	437	158	.....	35	.....	.....	.....	380,844	25
1,044	214	94	502	129	69	7	28	1	.....	.....	161,071	26
71	33	7	10	9	7	.....	5	.....	.....	.....	2,466	27
29	12	1	8	4	4	.....	.....	.....	.....	.....	2,100	28
735	176	84	350	87	24	.....	14	.....	.....	.....	161,748	29
1,112	235	146	530	135	39	.....	27	.....	.....	.....	169,789	30
271	53	34	149	22	8	.....	5	.....	.....	.....	67,209	31

a From this number deduct 2,115 officers and clerks whose salaries are not computed in wages. This leaves a total of 172,544 operatives, of which 59,685 are men, 15,107 boys, 84,539 women, and 13,213 girls.

TABLE LIV.—*Manufactures: Special statistics*

7.—SPECIFIC COTTON MANUFACTURES—Continued.

	States and Territories.	MATERIALS.		
		Cotton consumed.		
		Bales.	Pounds.	Cost.
				Dollars.
	The United States	1,570,344	750,343,981	86,945,725
1	Alabama	14,702	7,271,791	729,202
2	Arkansas	680	340,000	25,000
3	Connecticut	109,703	52,384,171	6,281,939
4	Delaware	7,512	3,236,184	427,855
5	Florida	350	166,250	16,000
6	Georgia	71,389	33,757,199	3,591,554
7	Illinois	2,261	1,099,130	110,969
8	Indiana	11,558	6,364,887	679,911
9	Kentucky	4,050	1,882,234	188,856
10	Louisiana	1,358	644,000	68,018
11	Maine	112,381	54,185,061	6,234,901
12	Maryland	51,537	24,166,232	2,780,715
13	Massachusetts	574,857	273,718,889	31,107,154
14	Michigan	600	300,000	36,000
15	Minnesota	400	200,000	22,000
16	Mississippi	6,411	2,881,853	301,226
17	Missouri	6,399	3,082,132	336,984
18	New Hampshire	157,673	76,386,499	8,629,063
19	New Jersey	21,069	9,950,609	1,319,422
20	New York	64,614	31,656,594	3,981,106
21	North Carolina	27,642	11,832,641	1,125,984
22	Ohio	5,323	2,506,182	258,198
23	Pennsylvania	83,997	40,311,809	4,749,428
24	Rhode Island	167,480	81,137,172	10,457,770
25	South Carolina	33,624	15,601,005	1,723,187
26	Tennessee	10,436	4,944,279	508,305
27	Texas	246	119,986	11,280
28	Utah	54	25,788	3,223
29	Vermont	7,404	3,562,088	458,607
30	Virginia	11,461	5,087,519	601,796
31	Wisconsin	3,173	1,541,797	180,072

for principal industries: 1880—Continued.

7.—SPECIFIC COTTON MANUFACTURES—Continued.

MATERIALS—cont'd.	PRODUCTS.			
Total value of all materials.	Goods manufactured.		Total value of all products.	
	Pounds.	Yards.		
Dollars. 102, 206, 347	*a* 607, 264, 241	*a* 2, 273, 278, 025	*Dollars.* 192, 090, 110	
783,711	6, 154, 470	9, 957, 519	1, 228, 019	1
33, 305	255, 000	.....	50, 000	2
8, 029, 127	42, 285, 517	173, 324, 667	16, 069, 771	3
527, 205	2, 867, 969	8, 644, 028	871, 007	4
18, 095	134, 000	.....	25, 000	5
4, 019, 673	27, 733, 153	60, 540, 712	6, 481, 894	6
142, 183	917, 634	.....	219, 861	7
651, 434	5, 238, 020	11, 060, 887	1, 155, 029	8
253, 818	1, 722, 500	.....	418, 286	9
72, 470	166, 496	749, 536	86, 776	10
7, 320, 152	44, 352, 698	144, 368, 675	13, 319, 363	11
2, 887, 933	22, 324, 511	29, 453, 807	4, 682, 114	12
35, 994, 109	219, 160, 105	971, 118, 234	72 289, 518	13
41, 000	250, 000	1, 000, 000	70, 000	14
30, 000	160, 000	.....	40, 000	15
337, 149	2, 481, 022	6, 163, 916	679, 093	16
376, 081	2, 200, 027	4. 702, 623	522, 980	17
10, 146, 904	63, 881, 540	244, 145, 533	17, 953, 403	18
2, 018, 175	8, 275, 260	32, 980, 737	4, 548, 275	19
4, 652, 745	25, 649, 456	136, 336, 871	8, 266, 836	20
1, 463, 645	9, 646, 380	15, 027, 745	2, 554, 482	21
286, 692	1, 993, 182	.....	637, 000	22
6, 105, 700	34, 457, 323	82, 346, 813	11, 021, 054	23
12, 291, 437	60, 905, 642	264, 355, 613	22, 875, 111	24
1, 808, 300	12, 251, 272	29, 982, 440	2, 895, 769	25
553, 761	3, 874, 616	9, 890, 681	874, 717	26
14, 827	99, 880	42, 000	21, 600	27
3, 472	13, 120	25, 603	7, 937	28
508, 297	2, 159, 108	16, 166, 245	855, 864	29
640, 391	4, 339, 476	15, 704, 126	1, 040, 962	30
194, 556	1, 314, 864	5, 189, 014	328, 389	31

a In the consideration of the footings of the aggregate yards and pounds of cotton fabrics, whether considered by counties or by states, it must be remembered that while all specific cotton fabrics may be rated by the pound, it by no means follows that there will in all cases be a statement of yards to correspond to that number of pounds, for the reason that very large quantities of yarn and thread are made which are sold by the pound, and never bought or considered by the unit of the yard. Hence the footing of pounds may be considered as the resultant of the use of the given quantity of cotton; the footing of yards merely of that part of the cotton manufacture which is woven and sold by the measure of the yard.

TABLE LIV.—*Manufactures: Special statistics*

8.—DYEING AND FINISHING TEXTILES.

[See Remarks on page 926.]

	States.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.
				Males above 16 years.	Females above 15 years.	Children and youths.	
		No.	*Dollars.*				*Dollars.*
	The United States..	191	26, 223, 981	12, 788	2, 038	1, 872	6, 474, 364
1	Connecticut	2	230. 000	242	34	26	120, 270
2	Georgia	1	3, 000	4	1	.....	1, 400
3	Illinois	11	69, 850	72	13	7	46, 519
4	Indiana	5	4, 400	15	24	.....	12, 100
5	Kentucky	2	5, 000	3	3	.....	1, 716
6	Maine	4	593, 500	594	45	41	166, 619
7	Massachusetts	28	8, 613, 500	3, 953	562	430	1, 815, 431
8	Missouri	3	16. 000	14	5	4	7, 500
9	New Hampshire	4	2, 987, 085	637	111	106	372, 873
10	New Jersey	18	1, 473, 000	1, 788	249	161	925, 612
11	New York	29	2, 343, 000	1, 359	300	270	842, 387
12	Ohio	7	58, 300	27	13	3	20, 401
13	Pennsylvania	60	3, 884, 846	1, 926	248	424	1, 041, 309
14	Rhode Island	16	5, 912, 500	2, 146	430	400	1, 093, 727
15	West Virginia	1	30, 000	8	.....	.....	6, 500

9.—FELT GOODS.

	States.	Establishments.	Capital.	Machines.		Average number of hands employed.			Wages and salaries of all employed during the year.
				Sets of cards.	Daily capacity of same in scoured wool.	Males above 16 years.	Females above 15 years.	Children and youths.	
		No.	*Dollars.*	*No.*	*Pounds.*				*Dollars.*
	The United States..	26	1, 958, 254	122	29, 160	1, 203	233	88	439, 760
1	Connecticut	2	405, 754	30	3, 500	135	39	.....	53, 535
2	Maine	1	100, 000	3	1, 000	41	11	2	14, 326
3	Massachusetts	11	820, 000	53	14, 650	455	37	20	163, 440
4	New Hampshire	1	12, 000	1	250	18	4	19	7, 000
5	New Jersey	6	313, 000	15	5, 310	250	21	15	86, 170
6	New York	4	157, 500	12	1, 950	137	46	12	35, 289
7	Pennsylvania	1	150, 000	8	2, 500	167	75	20	80, 000

	States.	Materials—continued.								
		Shoddy used, or waste, not including that made in mill.	Value.	Value of chemicals and dye-stuffs.	Cords of wood.	Value.	Coal.	Value.	Value of all other materials used.	Total value of all materials.
		Pounds.	*Dollars.*	*Dollars.*	*No.*	*Dolls.*	*Tons.*	*Dolls.*	*Dollars.*	*Dollars.*
	The United States..	2, 406, 849	383, 267	150, 921	4, 624	13, 878	14, 915	63, 559	126, 204	2, 530, 710
1	Connecticut	359, 649	44, 689	14, 791	.....	.....	2, 355	8, 155	21, 194	313, 325
2	Maine	95, 000	19, 000	3, 676	714	2, 142	100	700	4, 620	67, 538
3	Massachusetts	1, 617, 500	279, 875	57, 774	750	2, 581	5, 715	31, 009	45, 250	1, 198, 339
4	New Hampshire	10, 000	1, 500	4, 800	600	2, 400	.....	.....	720	29, 420
5	New Jersey	301, 000	36, 070	36, 800	55	625	4, 445	13, 230	11, 920	516, 195
6	New York	23, 700	2, 133	8, 080	2, 505	6, 130	1, 050	4, 215	29, 750	155, 893
7	Pennsylvania	.....	.....	25, 000	.....	.....	1, 250	6, 250	12, 750	250, 000

for principal industries: 1880—Continued.

8.—DYEING AND FINISHING TEXTILES.

[See Remarks on page 926.]

VALUE OF MATERIALS.				Value added, *i. e.*, total value of work done.	
Dye-stuffs, chemicals, and oils.	Fuel.	All other materials.	Total value of all materials.		
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
10, 254, 018	1, 904, 551	1, 505, 726	13, 664, 295	32, 297, 420	
308, 998	25, 245	30, 247	364, 490	464, 800	1
500	24	200	724	3, 500	2
36, 380	8, 360	825	45, 565	135, 521	3
6, 700	1, 850	1, 300	9, 850	32, 000	4
400	180	720	1, 300	6, 420	5
213, 735	56, 855	51, 399	321, 989	1, 107, 616	6
3, 423, 330	683, 007	459, 837	4, 566, 174	9, 482, 939	7
3, 000	900	1, 600	5, 500	22, 200	8
590, 255	118, 490	86, 808	795, 553	1, 568, 100	9
1, 195, 697	175, 159	272, 077	1, 642, 933	3, 365, 769	10
730, 495	149, 024	196, 040	1, 075, 559	2, 776, 154	11
58, 950	11, 650	7, 800	78, 400	144, 295	12
1, 929, 685	307, 395	161, 316	2, 398, 396	6, 259, 852	13
1, 727, 093	358, 912	229, 057	2, 315, 062	6, 874, 254	14
28, 800	7, 500	6, 500	42, 800	54, 000	15

9.—FELT GOODS.

MATERIALS.													
Foreign wool in condition, purchased during the year.	Domestic wool in condition, purchased during the year.	Scoured wool (not including waste purchased and shoddy) consumed during the year.	Value at mill of foreign and domestic wool consumed.	Camels' hair and noils consumed.	Value.	Buffalo hair and noils consumed.	Value.	Hair of other animals consumed.	Value.	Cotton used on cards.	Value.		
Pounds.	*Pounds.*	*Pounds.*	*Dollars.*	*Lbs.*	*Dolls.*	*Lbs.*	*Dolls.*	*Pounds.*	*Dolls.*	*Pounds.*	*Dollars.*		
709, 067	4, 204, 806	2, 733, 796	1, 624, 871	70, 000	7, 500	71, 000	5, 840	1, 657, 000	40, 010	1, 181, 500	114, 660		
87, 177	365, 781	436, 896	224, 496	.....	.....	.....	.....	.....	.....	.....	.....	1	
40, 000	30, 000	54, 000	35, 000	5, 000	1, 000	.....	.....	.....	.....	12, 000	1, 400	2	
340, 000	2, 056, 000	1, 321, 000	696, 500	65, 000	6, 500	42, 000	2, 640	460, 000	6, 500	718, 000	69, 710	3	
20, 000	20, 000	30, 000	20, 000	.....	.....	.....	.....	.....	.....	.....	.....	4	
131, 440	906, 000	478, 400	365, 450	.....	.....	29, 000	3, 200	944, 000	27, 010	271, 000	21, 890	5	
90, 450	77, 025	113, 500	83, 425	.....	.....	.....	.....	253, 000	6, 500	130, 500	15, 660	6	
.....	750, 000	300, 000	200, 000	.....	.....	.....	.....	.....	.....	50, 000	6, 000	7	

PRODUCTS.												
Value of production at wholesale.	Cloths, cassimeres, and doeskins.	Beavers and overcoatings.	Felt skirtings.	Rubber shoe linings.	Felt cloths.	Felt for ladies' hats.	Saddle felts.	Trimming and lining felts.	Table and piano covers.	Hair felting.	Value of all products not heretofore named.	
Dollars.	*Yds.*	*Yds.*	*Yds.*	*Yds.*	*Yds.*	*Yds.*	*Yds.*	*Yds.*	*Yds.*	*Feet.*	*Dollars.*	
3, 619, 652	275, 000	336, 160	3, 093, 600	1, 688, 880	1, 642, 485	65, 800	23, 500	205, 208	60, 979	1, 262, 950	258, 084	
429, 496	.....	33, 360	.....	291, 880	203, 280	.....	.....	.....	.....	.....	.....	1
120, 000	.....	16, 000	.....	.....	.....	64, 000	4, 500	23, 000	4, 000	.....	.....	2
1, 627, 320	275, 000	286, 800	1, 268, 000	1, 251, 000	420, 000	.....	15, 000	68, 000	6, 400	600, 000	61, 000	3
50, 000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	50, 000	4
685, 386	.....	.....	650, 610	146, 000	54, 680	1, 800	4, 000	114, 208	14, 579	475, 750	93, 019	5
257, 450	.....	.....	174, 990	.....	14, 525	.....	.....	.....	36, 000	187, 200	54, 065	6
450, 000	.....	.....	1, 000, 000	.....	950, 000	.....	.....	.....	.....	.....	.....	7

TABLE LIV.—*Manufactures: Special statistics*

10.—FLOURING- AND GRIST-MILL PRODUCTS.

	States and Territories.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Runs of stone.	Daily capacity.
		No.	*Dollars.*				*Dollars.*	*No.*	*Bushels.*
	The United States...	24, 338	177, 361, 878	58, 239	42	126	17, 422, 316	59. 612	4, 730, 106
1	Alabama	807	1, 803, 514	1, 337	4	25	211, 243	1, 188	78, 902
2	Arizona	8	94, 000	27	....	.....	9, 615	13	1, 120
3	Arkansas	350	810, 915	740	....	4	97, 614	529	52, 453
4	California	150	4, 363, 285	877	4	7	514, 602	455	58, 671
5	Colorado	34	496, 500	193	....	.....	94, 351	116	11, 982
6	Connecticut	234	1, 092, 824	361	....	.....	117, 722	483	43, 037
7	Dakota	30	301, 665	86	....	.....	37, 372	79	7, 482
8	Delaware	81	761, 015	219	....	1	72, 231	221	11, 963
9	District of Columbia	9	230, 400	40	....	.....	21, 508	45	4, 650
10	Florida	94	224, 655	140	2	.....	22, 257	102	8, 860
11	Georgia	1, 132	3, 576, 301	1, 823	4	18	327, 602	1, 093	118, 067
12	Idaho	16	287, 000	46	2	.....	16, 155	34	5, 895
13	Illinois	1, 024	13, 579, 680	4, 950	7	3	1, 868, 124	3, 192	358, 858
14	Indiana	996	9, 484, 023	3, 146	....	13	989, 087	2, 916	222, 827
15	Iowa	713	7, 890, 859	2, 146	....	1	748, 045	2, 121	194, 914
16	Kansas	320	3, 935, 828	1, 329	....	3	520, 300	900	99, 907
17	Kentucky	652	3, 685, 759	1, 478	....	7	336, 419	1, 386	127, 171
18	Louisiana	84	176, 380	107	....	.....	22, 245	100	11, 042
19	Maine	261	993, 500	385	....	.....	109, 882	643	59, 342
20	Maryland	546	3, 145, 520	898	....	.....	219, 705	1, 407	68, 878
21	Massachusetts	350	2, 880, 365	683	2	1	290, 070	649	103, 526
22	Michigan	706	7, 704, 464	2, 254	....	1	726, 289	2, 002	204, 450
23	Minnesota	436	10, 510, 362	2, 634	....	.....	1, 371, 646	1, 924	206, 496
24	Mississippi	525	889, 950	848	....	.....	96, 423	643	64, 208
25	Missouri	872	7, 883, 675	3, 375	....	1	1, 200, 493	2, 183	242, 276
26	Montana	15	159, 500	52	....	.....	25, 765	31	2, 945
27	Nebraska	170	1, 615, 070	506	....	.....	165, 085	457	41, 751
28	Nevada	7	163, 000	31	....	.....	9, 975	15	1, 315
29	New Hampshire	181	712, 555	253	....	.....	78, 284	400	41, 818
30	New Jersey	481	3, 879, 083	934	....	2	285, 626	1, 332	80, 046
31	New Mexico	51	249, 250	134	....	.....	35, 416	87	5, 019
32	New York	1, 768	19, 545, 994	4, 284	10	10	1, 587, 899	5, 299	536, 762
33	North Carolina	1, 313	3, 218, 053	1, 344	....	.....	237, 777	2, 421	104, 110
34	Ohio	1, 380	12, 328, 847	3, 874	....	1	1, 221, 494	4, 142	292, 672
35	Oregon	106	1, 286, 200	307	....	.....	139, 882	263	31, 505
36	Pennsylvania	2, 873	20, 228, 601	4, 422	1	11	1, 105, 939	8, 294	376, 717
37	Rhode Island	48	559, 000	105	....	.....	46, 870	76	11, 706
38	South Carolina	720	1, 339, 209	1, 098	1	3	139, 352	1, 119	58, 616
39	Tennessee	990	3, 505, 585	1, 847	....	2	376, 399	1, 924	138, 426
40	Texas	921	3, 082, 952	2, 602	1	6	368, 683	1, 417	146, 629
41	Utah	85	595, 950	157	....	.....	56, 557	158	9, 622
42	Vermont	227	1, 152, 461	331	....	.....	81, 589	587	60, 618
43	Virginia	1, 385	5, 791, 137	2, 200	3	2	409, 639	2, 969	144, 780
44	Washington	9	42, 300	23	....	.....	7, 125	15	1, 005
45	West Virginia	472	1, 777, 297	742	1	1	140, 508	989	51, 512
46	Wisconsin	705	9, 199, 735	2, 418	....	3	861, 302	2, 292	225, 405
47	Wyoming	1	7, 000	3	....	.....	150	1	150

for principal industries: 1880—Continued.

10.—FLOURING- AND GRIST-MILL PRODUCTS.

MATERIALS.						PRODUCTS.	
Wheat.		Other grain.		Value of mill supplies.	Total value of all materials.	Total value of all products.	
Bushels.	Value.	Bushels.	Value.				
304,775,737	*Dollars.* 315,394,386	234,907,220	*Dollars.* 112,372,071	*Dollars.* 13,778,768	*Dollars.* 441,545,225	*Dollars.* 505,185,712	
1,112,122	1,212,248	3,654,487	2,505,322	70,141	3,787,711	4,315,174	1
108,532	130,900	4,407	3,740	6,463	141,103	165,357	2
1,128,369	1,088,017	1,602,956	842,711	48,589	1,979,317	2,249,289	3
8,208,105	8,371,776	3,469,142	2,088,858	607,213	11,067,847	12,701,477	4
1,744,364	1,945,912	169,499	142,300	38,310	2,126,522	2,534,644	5
163,035	208,821	4,109,482	2,292,408	39,679	2,540,908	2,964,134	6
876,608	721,050	281,344	93,725	27,523	842,298	1,040,958	7
546,080	645,582	936,458	480,564	38,957	1,165,103	1,341,026	8
799,150	950,825	185,500	93,175	27,600	1,071,600	1,172,375	9
300	300	382,922	278,877	8,782	287,959	337,780	10
3,528,215	4,122,954	5,971,300	4,301,620	194,518	8,619,092	9,793,898	11
296,020	259,480	201,450	153,150	10,000	422,630	520,386	12
34,287,427	34,614,746	15,721,729	5,109,933	1,762,077	41,486,756	47,471,558	13
21,682,123	22,308,309	7,570,206	2,906,588	889,740	26,104,637	29,591,397	14
14,604,382	12,607,080	11,509,181	3,436,929	444,471	16,488,480	19,089,401	15
9,891,531	8,590,065	5,373,765	1,319,813	376,243	10,286,121	11,858,022	16
6,356,514	6,269,600	4,206,974	1,834,724	302,108	8,406,432	9,604,147	17
215,600	212,150	204,391	153,434	31,856	397,440	489,848	18
669,617	870,838	4,387,538	2,664,907	25,181	3,560,926	3,966,023	19
4,255,921	5,198,379	2,945,673	1,513,604	253,315	6,965,298	7,954,004	20
618,333	786,944	12,355,730	6,896,911	130,728	7,814,583	8,774,049	21
15,442,842	16,382,293	8,985,989	3,761,843	524,479	20,668,615	23,546,875	22
35,264,005	34,550,237	2,040,064	668,067	1,937,125	37,155,429	41,519,004	23
145,923	178,863	2,044,260	1,312,233	44,506	1,535,602	1,762,523	24
24,402,229	24,038,988	9,471,767	3,070,259	1,093,535	28,202,782	32,438,831	25
414,395	325,450	14,800	11,613	20,302	357,365	475,467	26
3,583,005	2,811,399	2,439,180	599,388	122,155	3,532,942	4,193,086	27
146,105	210,861	192,085	146,483	11,773	369,117	405,089	28
334,034	459,342	3,184,836	1,771,163	29,213	2,259,718	2,542,784	29
2,564,869	3,225,191	7,309,175	3,955,026	123,027	7,303,244	8,459,944	30
344,689	363,159	64,161	61,960	10,331	435,450	529,171	31
19,904,896	24,364,319	34,814,643	18,000,051	861,824	43,226,194	49,331,984	32
2,348,065	2,653,587	4,750,362	2,972,563	96,453	5,722,603	6,462,806	33
26,691,762	28,538,412	11,409,117	4,583,455	1,035,157	34,157,024	38,950,264	34
3,180,565	2,696,040	389,241	201,518	81,156	2,978,714	3,475,531	35
19,081,580	22,564,046	25,860,256	13,054,853	673,034	36,291,933	41,522,662	36
9,054	13,583	1,595,465	933,691	34,587	981,861	1,137,990	37
771,841	1,045,317	2,640,971	2,151,638	68,530	3,265,485	3,779,470	38
5,948,104	6,095,972	6,061,841	2,768,391	206,058	9,070,421	10,784,804	39
3,427,102	3,392,281	4,244,691	2,722,797	256,528	6,371,606	7,617,177	40
1,189,879	1,029,639	119,344	90,570	15,967	1,136,176	1,364,619	41
373,563	500,867	4,012,316	2,066,572	35,202	2,602,641	3,038,688	42
6,158,490	6,866,313	6,360,783	3,402,738	305,160	10,574,211	12,210,272	43
57,168	57,465	44,468	27,040	3,305	87,810	114,086	44
2,279,319	2,374,582	1,923,985	945,411	64,804	3,384,797	3,942,818	45
19,616,905	19,536,604	9,698,086	3,979,315	791,063	24,306,982	27,639,430	46
3,000	3,600	200	140	.....	3,740	4,790	47

TABLE LIV.—*Manufactures: Special statistic*

GLASS (see page 1208).

11.—HOSIERY AND KNIT GOODS.

	States.	Establishments.	Capital.	Average number of hands employed. Males over 16 years.	Females over 15 years.	Children and youths.	Greatest number of hands employed.	Wages and salaries of all employed during the year.
		No.	*Dollars.*					*Dollars.*
	The United States	359	15,579,591	7,517	17,707	3,661	28,885	6,701,475
1	Connecticut	14	1,966,431	659	1,187	365	2,211	664,293
2	Illinois	14	105,800	160	471	76	707	92,385
3	Indiana	5	45,000	26	201	57	284	24,700
4	Iowa	3	2,200	3	3	.....	6	460
5	Maine	1	500	1	20	.....	21	801
6	Maryland	1	250	.....	1	.....	1	100
7	Massachusetts	57	1,467,375	786	2,413	212	3,411	608,067
8	Michigan	11	147,389	80	706	176	962	92,324
9	Minnesota	1	8,000	8	4	.....	12	2,819
10	Missouri	4	29,400	3	114	1	118	19,300
11	New Hampshire	24	1,224,000	540	1,098	115	1,753	536,117
12	New Jersey	8	804,570	320	604	146	1,070	239,761
13	New York	75	5,334,876	2,389	4,470	999	7,858	2,036,076
14	Ohio	23	187,000	53	574	118	745	94,858
15	Pennsylvania	106	3,743,790	2,337	5,570	1,365	9,272	2,175,913
16	Rhode Island	1	6,000	6	24	9	39	8,400
17	Vermont	6	492,000	138	227	18	383	101,037
18	West Virginia	1	5,000	2	.....	2	4	700
19	Wisconsin	4	10,010	6	20	2	28	3,364

	States.	Materials. Foreign wool in condition, purchased during the year.	Domestic wool in condition, purchased during the year.	Scoured wool (not including waste purchased and shoddy) consumed during the year.	Value at mill of foreign and domestic wool consumed.	Camel's hair and noils consumed.	Value.	Mohair and noils consumed.	Value.
		Lbs.	*Lbs.*	*Lbs.*	*Dollars.*	*Lbs.*	*Dollars.*	*Lbs.*	*Dollars.*
	The United States	448,758	8,146,137	5,927,692	3,821,183	21,779	10,846	40,000	16,000
1	Connecticut	126,174	975,501	587,113	377,371	21,779	10,846	.....	.....
2	Illinois	.....	60,000	60,000	21,000	.....	.....	.....	.....
3	Indiana	.....	.....	.....	.....	.....	.....	.....	.....
4	Iowa	.....	.....	.....	.....	.....	.....	.....	.....
5	Maine	.....	.....	.....	.....	.....	.....	.....	.....
6	Maryland	.....	.....	.....	.....	.....	.....	.....	.....
7	Massachusetts	7,266	1,081,418	674,009	446,760	.....	.....	.....	.....
8	Michigan	.....	180,000	90,000	60,000	.....	.....	.....	.....
9	Minnesota	.....	.....	.....	.....	.....	.....	.....	.....
10	Missouri	.....	.....	.....	.....	.....	.....	.....	.....
11	New Hampshire	76,000	1,680,332	1,118,078	755,903	.....	.....	.....	.....
12	New Jersey	5,400	169,784	113,552	82,266	.....	.....	.....	.....
13	New York	186,326	2,362,643	2,084,734	1,373,524	.....	.....	40,000	16,000
14	Ohio	.....	.....	.....	.....	.....	.....	.....	.....
15	Pennsylvania	47,592	1,235,126	857,373	498,353	.....	.....	.....	.....
16	Rhode Island	.....	.....	.....	.....	.....	.....	.....	.....
17	Vermont	.....	401,333	342,833	206,006	.....	.....	.....	.....
18	West Virginia	.....	.....	.....	.....	.....	.....	.....	.....
19	Wisconsin	.....	.....	.....	.....	.....	.....	.....	.....

for principal industries: 1880—Continued.

GLASS (see page 1209).

11.—HOSIERY AND KNIT GOODS.

MACHINES.				LOOMS.							KNITTING AND SEWING MACHINES.		SPINDLES.		
Sets of cards.	Daily capacity of same in scoured wool.	Combing-machines of foreign manufacture.	Daily capacity of same in scoured wool.	Broad looms on woolen goods.	Broad looms on worsted goods.	Narrow looms on woolen goods.	Hand looms.	Patent power frames.	Seaming and crocheting machines.	Knitting looms.	Knitting machines.	Sewing machines.	Woolen spindles.	Worsted spindles.	
No. 592	*Lbs.* 94,640	*No.* 3	*Lbs.* 1,100	*No.* 89	*No.* 20	*No.* 96	*No.* 64	*No.* 16	*No.* 55	*No.* 1,624	*No.* 12,659	*No.* 4,569	*No.* 140,733	*No.* 2,290	
79	9,590	.....	.....	.....	.....	1	.....	16	55	317	720	340	15,674	.....	1
3	450	.....	.....	1	.....	4	.....	.....	.....	6	433	48	680	.....	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	183	5	.....	.....	3
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	.....	.....	.....	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
38	3,500	.....	.....	.....	.....	.....	6	.....	.....	539	813	257	9,028	.....	7
4	600	.....	.....	.....	.....	.....	.....	.....	.....	.....	521	9	920	.....	8
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	10	2	.....	.....	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	68	.....	.....	.....	10
68	7,830	.....	.....	1	.....	18	.....	.....	.....	128	992	118	17,540	.....	11
23	4,170	.....	.....	.....	.....	.....	.....	.....	.....	.....	343	75	6,048	.....	12
320	59,975	.....	.....	.....	.....	.....	.....	.....	.....	103	1,311	1,953	71,008	.....	13
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	368	4	60	.....	14
35	5,600	3	1,100	87	20	73	58	.....	.....	492	6,769	1,653	15,970	2,290	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	32	7	.....	.....	16
22	2,925	.....	.....	.....	.....	.....	.....	.....	.....	.....	69	94	3,805	.....	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	1	.....	.....	.....	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19	4	.....	.....	19

MATERIALS—continued.

Buffalo hair and noils consumed.	Value.	Merino yarn.	Value.	Cotton used on cards.	Value.	Shoddy used, or waste not including that made in mill.	Value.	Cotton warp used on woolen goods.	Value.	Cotton yarn.	Value.	
Lbs. 5,150	*Dolls.* 518	*Lbs.* 67,561	*Dolls.* 22,970	*Lbs.* 20,131,151	*Dollars.* 2,489,783	*Lbs.* 1,523,263	*Dollars.* 233,823	*Lbs.* 279,950	*Dolls.* 66,025	*Lbs.* 8,074,137	*Dolls.* 1,991,749	
.....	.....	.....	.....	1,591,207	192,714	169,418	29,094	300	75	19,834	6,614	1
.....	.....	.....	.....	6,500	835	.....	.....	600	250	105,800	31,400	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30,000	9,000	3
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
.....	.....	.....	.....	338,000	39,090	8,000	2,000	172,000	41,500	347,700	82,615	7
.....	.....	.....	.....	40,000	4,800	10,000	3,000	.....	.....	1,300	405	8
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11,300	2,882	10
5,000	500	.....	.....	1,002,798	135,028	186,900	55,592	26,050	6,150	73,436	19,187	11
150	18	.....	.....	487,026	64,674	15,553	2,828	.....	.....	.....	.....	12
.....	.....	.....	.....	15,625,791	1,929,583	1,062,011	129,603	.....	.....	538,714	127,945	13
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,000	1,200	14
.....	.....	67,561	22,970	633,290	73,694	68,856	10,884	81,000	18,050	6,940,053	1,710,501	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
.....	.....	.....	.....	406,539	49,365	2,525	822	.....	.....	.....	.....	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19

TABLE LIV.—*Manufactures: Special statistics*

11.—HOSIERY AND KNIT GOODS—Continued.

	States.	MATERIALS—continued.						
		Woolen yarn used, not made in mill.	Value.	Worsted yarn used, not made in mill.	Value.	Value of chemicals and dye-stuffs.	Cords of wood.	Value.
		Pounds.	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*	*No.*	*Dollars.*
	The United States	3,753,566	2,853,722	750,255	758,803	631,060	8,344	28,416
1	Connecticut	50,025	46,025	14,582	22,101	33,467	723	2,931
2	Illinois	226,800	179,405	10,000	8,400	1,050	350	600
3	Indiana	76,300	82,850	5,200	6,800	.....	30	120
4	Iowa	1,536	1,554	.....	.....	.....	.....	.....
5	Maine	2,000	1,800	.....	.....	.....	.....	.....
6	Maryland	500	500	.....	.....	.....	.....	.....
7	Massachusetts	502,511	409,220	88,619	102,094	71,422	147	469
8	Michigan	154,600	127,460	5,000	5,500	7,200	1,121	2,610
9	Minnesota	5,000	4,000	400	500	.....	.....	.....
10	Missouri	36,600	33,150	4,500	4,750	.....	19	93
11	New Hampshire	96,500	76,300	2,500	3,800	72,999	4,800	18,009
12	New Jersey	106,300	56,150	3,100	3,850	4,079	.....	.....
13	New York	538,467	327,943	46,159	59,999	169,579	1,065	3,264
14	Ohio	241,850	214,265	3,850	6,450	.....	10	17
15	Pennsylvania	1,682,127	1,268,250	565,145	533,109	247,605	8	28
16	Rhode Island	22,750	13,650	.....	.....	350	.....	.....
17	Vermont	1,200	1,500	500	500	23,184	71	275
18	West Virginia	1,400	1,700	.....	.....	.....	.....	.....
19	Wisconsin	7,100	8,000	700	950	125	.....	.....

	States.	PRODUCTS—continued.								
		Shirts and drawers.	Leggins.	Gloves.	Mittens.	Gaiters.	Hoods.	Scarfs.	Wristers.	Cardigan jackets.
		Dozen.	*Dozen.*	*Dozen.*	*Dozen.*	*Dozen.*	*Dozen.*	*Doz.*	*Doz.*	*Dozen.*
	The United States	2,671,712	41,683	48,462	199,889	43,310	64,830	47,178	20,745	105,321
1	Connecticut	253,275	.....	.....	.....	.....	.....	.....	.....	.....
2	Illinois	.....	620	100	207	.....	.....	.....	.....	1
3	Indiana	.....	2,500	.....	.....	.....	.....	.....	.....	.....
4	Iowa	.....	.....	.....	.....	.....	.....	20	.....	.....
5	Maine	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	Maryland	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	Massachusetts	31,000	12,700	26,832	106,298	6,500	6,550	1,626	525	20,875
8	Michigan	3,000	1,250	.....	9,750	150	300	75	500	45
9	Minnesota	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Missouri	.....	25	.....	300	.....	.....	.....	.....	.....
11	New Hampshire	29,400	.....	50	24,700	36,000	.....	.....	.....	.....
12	New Jersey	57,455	4,000	.....	2,500	.....	.....	5,150	.....	1,600
13	New York	2,205,385	19,533	.....	22,539	118	732	2,750	.....	35,705
14	Ohio	.....	50	.....	4,775	.....	13,050	.....	.....	310
15	Pennsylvania	19,577	1,005	21,480	28,800	542	44,198	37,557	19,400	46,735
16	Rhode Island	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Vermont	71,404	.....	.....	.....	.....	.....	.....	.....	.....
18	West Virginia	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	Wisconsin	1,216	.....	.....	20	.....	.....	.....	320	50

for principal industries: 1880—Continued.

11.—HOSIERY AND KNIT GOODS—Continued.

MATERIALS—continued.				PRODUCTS.						
Coal.	Value.	Value of all other materials used.	Total value of all materials.	Value of production at wholesale.	Woolen half-hose.	Woolen hose.	Mixed half-hose.	Mixed hose.	Cotton hosiery.	
Tons.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dozen.*	*Dozen.*	*Dozen.*	*Dozen.*	*Dozen.*	
42,980	181,253	2,104,800	15,210,951	29,167,227	288,111	1,216,274	627,234	2,653,099	2,491,243	
4,659	22,928	269,783	1,013,949	2,432,271	.....	.....	192,000	15,000	.....	1
160	424	47,531	290,895	484,124	16,904	122,035	.....	.....	49,650	2
135	510	4,000	103,280	158,200	11,550	41,075	.....	.....	1,500	3
.....	.....	.....	1,554	2,908	.....	.....	.....	.....	.....	4
.....	.....	.....	1,800	3,000	730	.....	.....	.....	.....	5
.....	.....	.....	500	720	.....	.....	.....	.....	.....	6
3,362	20,718	178,860	1,334,748	2,483,596	29,625	54,622	3,933	212,960	.....	7
153	593	15,059	226,627	377,249	39,500	24,500	47,640	.....	.....	8
.....	.....	500	5,000	10,000	.....	.....	.....	.....	.....	9
.....	.....	700	41,575	85,000	26,500	10,500	.....	.....	.....	10
722	4,742	101,390	1,249,600	2,362,779	78,000	47,500	253,715	288,295	.....	11
2,446	7,689	36,489	258,043	861,181	.....	800	29,296	.....	10,000	12
17,069	76,690	857,928	5,072,058	9,899,540	34,000	368	.....	.....	30,000	13
266	900	18,751	241,583	418,825	25,025	177,247	.....	.....	900	14
12,945	39,967	500,727	4,924,138	8,935,147	8,240	737,069	100,650	2,136,844	2,399,193	15
75	388	450	14,838	36,000	18,000	.....	.....	.....	.....	16
994	5,704	72,582	359,938	595,270	.....	.....	.....	.....	.....	17
.....	.....	.....	1,700	2,600	.....	350	.....	.....	.....	18
.....	.....	50	9,125	18,817	37	208	.....	.....	.....	19

PRODUCTS—continued.													
Fancy jackets.	Nubias.	Ulsters.	Shawls.	Fancy knit goods.	Sacques.	Waists.	Skirts.	Boot and shoe lining.	Coverlets	Woolen and worsted mixed yarn.	Woolen yarn.	Value of all products not heretofore named.	
Doz.	*Doz.*	*Doz.*	*Dozen.*	*Dozen.*	*Doz.*	*Doz.*	*Doz.*	*Yards.*	*No.*	*Lbs.*	*Pounds.*	*Dollars.*	
58,522	72,050	12,389	49,545	19,868	925	2,800	62	453,350	1,550	25,000	195,000	1,546,713	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25,000	.....	90,000	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45,000	52,700	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,400	3
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
1,680	7,235	.....	14,042	2,000	550	.....	.....	453,350	.....	.....	.....	206,500	7
.....	.....	.....	.....	.....	50	.....	.....	.....	.....	.....	.....	4,600	8
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10,000	9
.....	.....	100	50	.....	300	.....	.....	.....	.....	.....	.....	.....	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	66,500	11
51,225	.....	.....	250	.....	25	.....	.....	.....	.....	.....	.....	1,175	12
.....	.....	149	.....	718	.....	2,800	.....	.....	.....	.....	.....	2,800	13
.....	.....	600	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
5,588	64,815	10,340	35,203	17,125	.....	.....	62	.....	1,500	.....	150,000	1,108,418	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
.....	.....	1,200	.....	25	.....	.....	.....	.....	50	.....	.....	620	19

TABLE LIV.—*Manufactures: Special statistics*

12.—IRON AND STEEL: A—AGGREGATE OF THE IRON AND STEEL

[See remarks on page 926.]

	States and Territories.	Establishments.	Capital.	Average number of hands employed.			
				Males above 16 years.	Males below 16 years.	Females above 15 years.	Females below 15 years.
		No.	*Dollars.*				
	The United States	1,005	230,971,884	133,203	7,709	45	21
1	Alabama	14	3,300,196	1,581	45	.....	.....
2	California	1	1,000,000	284	35	.....	.....
3	Colorado	1	100,000	125	.....	.....	.....
4	Connecticut	19	2,682,000	663	22	.....	.....
5	Delaware	9	1,431,469	818	49	.....	.....
6	District of Columbia	1	89,600	18	.....	.....	.....
7	Georgia	14	1,135,909	1,266	37	.....	.....
8	Illinois	21	6,460,620	4,887	366	.....	.....
9	Indiana	12	2,283,000	1,883	165	.....	.....
10	Kansas	2	450,000	570	60	.....	.....
11	Kentucky	29	5,493,035	3,831	264	.....	.....
12	Maine	3	450,000	683	17	.....	.....
13	Maryland	23	4,962,125	2,656	107	.....	.....
14	Massachusetts	30	6,738,408	6,367	125	21	.....
15	Michigan	22	4,175,386	3,054	35	.....	.....
16	Minnesota (*a*)	1	150,000	180	.....	.....	.....
17	Missouri	22	9,152,472	2,989	150	.....	.....
18	Nebraska	1	100,000	90	10	.....	.....
19	New Hampshire	2	650,000	289	1	.....	.....
20	New Jersey	40	9,099,050	4,711	81	.....	.....
21	New York	89	21,543,221	10,697	747	.....	.....
22	North Carolina	20	759,400	63	.....	.....	.....
23	Ohio	134	25,141,294	18,885	1,171	.....	15
24	Oregon	1	100,000	247	3	.....	.....
25	Pennsylvania	366	107,304,782	54,637	3,297	12	6
26	Rhode Island	3	630,000	200	75	.....	.....
27	Tennessee	43	3,681,776	2,758	309	10	.....
28	Texas	1	40,000	140	.....	.....	.....
29	Utah (*b*)	3	150,000	.....	.....	.....	.....
30	Vermont	4	410,000	190	1	.....	.....
31	Virginia	44	4,329,713	2,399	121	2	.....
32	West Virginia	20	3,913,616	3,780	341	.....	.....
33	Wisconsin	9	2,843,218	2,088	65	.....	.....
34	Wyoming	1	212,603	174	10	.....	.....

a Repairing.

b These establishments were not in operation in the census year.

for principal industries: 1880—Continued.

MANUFACTURE OF THE UNITED STATES, BY STATES.

[See remarks on page 926.]

Total amount paid in wages during the year.	Total value of all materials.	Total weight of products.	Total value of all products.	
Dollars.	*Dollars.*	*Tons.*	*Dollars.*	
55,476,785	191,271,150	7,265,140	296,557,685	
571,713	601,073	62,936	1,452,856	1
177,722	535,500	14,000	780,000	2
7,000	131,700	4,500	225,000	3
331,184	1,341,225	38,061	1,998,698	4
344,476	1,214,050	33,918	2,347,177	5
7,528	2,264	264	10,970	6
185,489	631,707	35,152	990,850	7
2,508,718	14,977,145	417,967	20,545,289	8
864,921	3,293,073	96,117	4,551,403	9
166,500	734,245	19,055	1,004,100	10
1,344,400	3,223,799	123,751	5,090,029	11
141,494	380,511	10,866	583,328	12
905,090	2,888,574	110,934	4,470,050	13
2,576,539	6,657,232	141,321	10,288,921	14
922,597	3,279,420	142,716	4,591,613	15
25,275	.....	.....	.....	16
734,575	3,249,558	125,758	4,660,530	17
50,000	114,500	2,000	82,000	18
127,690	523,355	7,978	807,340	19
1,808,448	6,556,283	243,860	10,341,896	20
4,099,451	13,395,229	598,300	22,219,219	21
7,907	11,792	439	41,085	22
8,265,070	23,997,915	930,141	34,918,360	23
46,822	33,073	3,200	78,393	24
25,095,850	92,267,030	3,616,668	145,576,268	25
130,969	375,347	8,134	488,040	26
659,773	1,376,059	77,100	2,274,203	27
27,720	23,580	1,400	36,000	28
.....	.....	.....	.....	29
50,035	240,900	6,620	392,306	30
665,432	1,496,151	55,722	2,585,999	31
1,541,816	3,484,625	147,487	6,054,032	32
1,004,931	3,830,667	178,935	6,580,391	33
79,650	403,568	9,790	491,345	34

TABLE LIV.—*Manufactures: Special statistics*

12.—IRON AND STEEL: B—BLAST FURNACES.

	States and Territories.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Completed stacks.	Total daily capacity of melted metal.	Materials.	
				Males above 16 years.	Males below 16 years.	Females above 15 years.				Iron ore.	Value.
		No.	*Dollars.*				*Dollars.*	*No.*	*Tons.*	*Tons.*	*Dollars.*
	The United States	490	105,151,176	40,683	1,183	9	12,680,703	681	19,248	7,256,684	33,205,278
1	Alabama	12	3,106,196	1,531	35	....	553,713	15	339	142,286	138,646
2	Connecticut	8	1,297,000	139	....	....	65,974	8	91	46,147	242,548
3	Georgia	9	819,100	742	12	....	77,415	10	144	61,194	97,997
4	Illinois	7	1,515,000	497	1	....	185,054	10	603	150,540	924,750
5	Indiana	3	455,000	293	15	....	54,840	4	73	31,744	218,458
6	Kentucky	19	2,681,035	1,810	80	....	429,988	22	392	102,667	373,474
7	Maine	1	150,000	300	....	....	44,950	1	18	4,258	6,387
8	Maryland	16	2,707,125	1,401	42	....	339,978	22	281	136,796	465,911
9	Massachusetts	4	682,000	390	....	....	176,000	6	81	21,564	88,326
10	Michigan	20	3,504,386	2,136	28	....	561,870	27	844	201,179	1,162,961
11	Minnesota	1	150,000	180	....	....	25,275	1	40	.....	.....
12	Missouri	12	5,053,872	1,160	25	....	227,111	17	749	169,982	772,012
13	New Jersey	13	3,694,500	1,150	24	....	365,639	20	691	314,199	1,511,942
14	New York	39	10,128,221	2,481	37	....	902,929	57	1,654	609,642	2,315,439
15	North Carolina (*a*)	5	470,000	.....	....	....	.....	7	39	.....	.....
16	Ohio	82	14,606,919	8,548	396	....	2,725,157	103	3,201	953,008	5,147,695
17	Oregon	1	100,000	247	3	....	46,822	1	12	7,846	8,788
18	Pennsylvania	167	44,596,853	13,164	296	....	4,752,838	269	8,490	3,838,455	17,720,502
19	Tennessee	18	2,204,326	1,464	108	7	261,897	21	388	102,656	212,780
20	Texas	1	40,000	140	....	....	27,720	1	10	3,240	6,480
21	Utah (*a*)	2	90,000	.....	....	....	.....	2	18	.....	.....
22	Vermont	1	20,000	25	1	....	2,635	1	11	1,050	8,100
23	Virginia	29	3,413,000	1,153	66	2	255,983	31	287	40,759	81,204
24	West Virginia	12	1,523,425	879	14	....	210,158	11	319	134,538	626,754
25	Wisconsin	8	2,143,218	853	....	....	357,354	14	473	182,934	1,074,120

a The furnaces in North Carolina and Utah were not in operation in the census year.

for principal industries: 1880—Continued.

12.—IRON AND STEEL: B—BLAST FURNACES.

MATERIALS—continued.

Fluxing material.	Value.	Charcoal.	Value.	Anthracite coal.	Value.	Raw bituminous coal.	Value.	Coke.	Value.	
Tons.	*Dollars.*	*Bushels.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	
3, 169, 149	2, 547, 336	53, 909, 828	3, 679, 120	2, 615, 182	8, 012, 755	1, 051, 753	2, 095, 887	2, 128, 255	8, 129, 240	
29, 902	27, 087	4, 349, 338	244, 989	.....	.....	7, 000	10, 500	42, 035	154, 451	1
7, 573	3, 927	2, 134, 162	222, 992	.....	.....	.....	.....	.....	.....	2
5, 863	4, 211	764, 340	33, 838	.....	.....	1, 000	2, 000	33, 650	103, 750	3
58, 725	61, 900	.....	.....	11, 205	65, 249	27, 715	86, 220	101, 440	624, 490	4
14, 600	13, 205	68, 000	450	.....	.....	54, 100	93, 450	1, 418	6, 143	5
40, 194	36, 553	3, 058, 200	141, 472	.....	.....	58, 215	90, 499	37, 275	121, 690	6
591	3, 546	211, 665	12, 700	.....	.....	.....	.....	.....	.....	7
51, 670	30, 933	3, 793, 420	242, 356	32, 600	139, 000	.....	.....	17, 600	78, 081	8
4, 340	3, 460	540, 000	54, 000	5, 900	23, 240	.....	.....	.....	.....	9
9, 263	15, 231	11, 876, 221	912, 882	.....	.....	.....	.....	.....	.....	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
42, 519	24, 764	2, 160, 500	150, 000	1, 050	6, 150	21, 576	59, 028	110, 730	673, 170	12
115, 592	88, 774	.....	.....	225, 713	779, 676	.....	.....	17, 000	108, 278	13
185, 950	157, 092	2, 702, 667	256, 467	396, 864	1, 252, 009	120	720	34, 237	182, 694	14
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
446, 811	450, 987	7, 879, 959	484, 947	2, 210	11, 710	638, 711	1, 170, 089	418, 624	1, 601, 300	16
518	2, 766	371, 009	21, 519	.....	.....	.....	.....	.....	.....	17
1, 970, 931	1, 460, 928	4, 993, 919	324, 757	1, 921, 588	5, 631, 922	215, 729	519, 768	1, 054, 452	3, 563, 566	18
35, 412	20, 940	1, 084, 749	62, 229	.....	.....	9, 000	11, 250	74, 408	182, 241	19
540	2, 700	240, 000	14, 400	.....	.....	.....	.....	.....	.....	20
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21
100	100	70, 000	5, 600	.....	.....	.....	.....	.....	.....	22
6, 827	4, 248	1, 457, 390	74, 143	.....	.....	.....	.....	8, 753	45, 953	23
89, 156	81, 442	214, 500	11, 415	.....	.....	4, 047	4, 907	120, 737	348, 047	24
52, 072	52, 542	5, 939, 789	407, 964	18, 052	103, 799	14, 540	47, 456	55, 896	335, 386	25

TABLE LIV.—*Manufactures: Special statistics*

12.—IRON AND STEEL: B—BLAST FURNACES—Continued.

	States and Territories.	MATERIALS—continued.				PRODUCTS.			
		Other material. (a)	Value.	Value of all other materials.	Total value of all materials.	Cold-blast charcoal pig iron.	Value.	Hot-blast charcoal pig iron.	Value.
		Tons.	*Dollars.*	*Dollars.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*
	The United States.	354,048	910,667	39,459	58,619,742	79,613	2,393,175	355,405	10,080,581
1	Alabama				575,673	21,057	521,608	14,067	329,386
2	Connecticut	80	2,000		471,467	684	32,148	18,095	612,763
3	Georgia				241,796	6,799	146,340		
4	Illinois				1,762,609				
5	Indiana	2,000	3,900		335,606			500	10,000
6	Kentucky	29,594	37,722		801,410	899	27,952	17,876	422,600
7	Maine	52	936		23,569	2,015	50,375		
8	Maryland	150	525		956,806	1,250	53,500	26,304	875,914
9	Massachusetts				169,026			5,140	168,750
10	Michigan			150	2,091,224			119,500	3,119,835
11	Minnesota								
12	Missouri				1,685,124			19,114	510,000
13	New Jersey				2,488,670				
14	New York	194	2,026	175	4,166,622	4,470	203,500	17,007	599,344
15	North Carolina								
16	Ohio	99,669	282,258	634	9,149,620	11,816	345,753	41,158	1,033,561
17	Oregon				33,073			3,200	78,393
18	Pennsylvania	156,223	415,132	38,500	29,675,075	21,941	760,099	12,204	418,685
19	Tennessee				489,440	1,825	53,075	4,650	134,100
20	Texas				23,580	200	6,000	1,200	30,000
21	Utah								
22	Vermont				13,800			620	24,800
23	Virginia				205,548	6,541	187,025	2,918	72,950
24	West Virginia	30,389	86,042		1,158,611	116	5,800	1,200	38,400
25	Wisconsin	35,697	80,126		2,101,393			50,652	1,601,100

a This is principally mill cinder.

for principal industries: 1880—Continued.

12.—IRON AND STEEL: B—BLAST FURNACES—Continued.

PRODUCTS—continued.											
Anthracite pig iron.	Value.	Bituminous coal and coke pig iron.	Value.	Mixed anthracite and coke pig iron.	Value.	Castings direct from furnace.	Value.	Value of other products (including jobbing and repairing).	Total quantity of all products.	Total value of all products.	
Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dolls.*	*Dollars.*	*Tons.*	*Dollars.*	
1,112,735	23,545,602	1,515,107	35,431,031	713,932	16,607,985	4,229	146,236	1,111,559	3,781,021	89,315,569	
.....	.....	27,212	551,162	.....	.....	.....	.....	3,200	62,336	1,405,356	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	18,779	644,911	2
.....	.....	16,300	311,150	.....	.....	.....	.....	9,400	23,099	466,890	3
.....	.....	38,618	965,450	56,850	1,426,400	.....	.....	.....	95,468	2,391,850	4
.....	.....	17,737	450,000	.....	.....	.....	.....	535	18,237	460,535	5
.....	.....	39,240	784,800	.....	.....	93	4,800	8,500	58,108	1,248,652	6
.....	.....	.....	.....	.....	.....	.....	.....	10,000	2,015	60,375	7
2,500	64,500	3,490	83,250	26,100	590,000	20	1,000	32,175	59,664	1,700,339	8
4,403	132,060	.....	.....	.....	.....	.....	.....	12,000	9,543	312,810	9
.....	.....	.....	.....	.....	.....	86	3,410	21,817	119,586	3,145,062	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
.....	.....	75,936	1,686,780	.....	.....	.....	.....	78,237	95,050	2,275,017	12
b 116,443	2,443,544	.....	.....	40,891	964,719	80	2,400	18,084	157,414	3,428,747	13
172,980	3,243,192	.....	.....	118,849	2,649,453	62	1,860	118,892	313,368	6,816,241	14
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
.....	.....	494,727	11,496,297	.....	.....	1,011	32,675	129,907	548,712	13,038,193	16
.....	.....	.....	.....	.....	.....	.....	.....	.....	3,200	78,393	17
816,409	17,661,706	*c* 673,836	16,735,001	*d* 403,704	9,288,958	2,217	75,579	633,722	1,930,311	45,573,750	18
.....	.....	41,258	631,757	.....	.....	140	6,000	15,090	47,873	840,022	19
.....	.....	.....	.....	.....	.....	.....	.....	.....	1,400	36,000	20
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21
.....	.....	.....	.....	.....	.....	.....	.....	.....	620	24,800	22
.....	.....	8,326	166,520	.....	.....	121	3,200	11,000	17,906	440,695	23
.....	.....	78,427	1,568,864	.....	.....	307	11,232	6,800	80,050	1,631,096	24
.....	.....	.....	.....	67,538	1,688,455	92	4,080	2,200	118,282	3,295,835	25

b Includes 3,392 tons of spiegeleisen.
c Includes 7,000 tons of spiegeleisen.
d Includes 2,483 tons of spiegeleisen.

TABLE LIV.—*Manufactures: Special statistics*

12.—IRON AND STEEL: C—BLOOMARIES AND FORGES.

	States.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Machines.		
				Males above 16 years.	Males below 16 years.	Females above 15 years.		Charcoal forge fires.	Hammers.	Daily capacity of blooms.
		No.	*Dollars.*				*Dollars.*	*No.*	*No.*	*Tons.*
	The United States	118	4,395,963	2,875	61	3	915,395	*a* 495	141	520
1	Georgia	3	11,800	49	.....	.....	5,835	6	3	5
2	Maryland	1	60,000	66	1	.....	18,138	18	2	24
3	Massachusetts	1	5,000	8	.....	.....	564	2	1	2
4	Missouri	3	228,600	150	15	.....	60,000	27	6	29
5	New Jersey	7	114,000	123	.....	.....	30,187	28	7	43
6	New York	22	2,254,000	1,460	29	.....	471,331	141	31	174
7	North Carolina	15	289,400	63	.....	.....	7,907	28	12	9
8	Ohio	*b* 1	30,000	.....	.....	.....	.....	8	1	4
9	Pennsylvania	33	1,158,000	655	5	.....	243,436	*a* 159	39	188
10	Tennessee	20	76,450	139	6	3	21,090	42	25	7
11	Vermont	2	90,000	.....	.....	.....	.....	7	2	8
12	Virginia	10	78,713	162	5	.....	56,907	29	12	27

	States.	Materials—continued.									
		Anthracite coal.	Value.	Bituminous coal.	Value.	Coke.	Value.	Oil.	Value.	Value of all other materials.	Total value of all materials.
		Tons.	*Dolls.*	*Tons.*	*Dolls.*	*Tons.*	*Dollars.*	*Bbls.*	*Dolls.*	*Dolls.*	*Dollars.*
	The United States	340	1,220	1,613	4,298	6,695	31,241	853	900	4,150	2,546,915
1	Georgia	.....	.....	.....	.....	.....	.....	.....	.....	.....	16,635
2	Maryland	.....	.....	.....	.....	400	3,800	.....	.....	1,100	102,726
3	Massachusetts	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,834
4	Missouri	.....	.....	500	1,500	.....	.....	.....	.....	.....	151,500
5	New Jersey	200	800	3	20	25	159	.....	.....	300	152,643
6	New York	.....	.....	.....	.....	.....	.....	.....	.....	.....	964,421
7	North Carolina	.....	.....	.....	.....	.....	.....	.....	.....	.....	11,792
8	Ohio	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	Pennsylvania	140	420	990	2,578	6,270	27,282	853	900	2,750	1,027,805
10	Tennessee	.....	.....	120	200	.....	.....	.....	.....	.....	26,654
11	Vermont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Virginia	.....	.....	.....	.....	.....	.....	.....	.....	.....	90,905

a And 1 Siemens rotator. *b* This establishment was not in operation in the census year.

for principal industries : 1880—Continued.

12.—IRON AND STEEL: C—BLOOMARIES AND FORGES.

MATERIALS.								
Iron ore.	Value.	Pig iron.	Value.	Scrap iron.	Value.	Charcoal.	Value.	
Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Bushels.*	*Dollars.*	
79, 610	531, 540	38, 113	945, 375	8, 933	215, 576	13, 014, 361	812, 615	
260	1, 040	.....	.....	675	12, 150	67, 800	3, 445	1
.....	.....	3, 313	65, 072	1, 080	18, 500	210, 000	14, 254	2
.....	.....	.....	.....	57	1, 234	7, 000	600	3
8, 000	80, 000	.....	.....	.....	.....	800, 000	70, 000	4
1, 040	9, 600	78	1, 850	4, 488	116, 438	264, 703	23, 476	5
65, 304	428, 439	20	650	163	4, 130	8, 736, 679	531, 202	6
1, 355	3, 510	.....	.....	.....	.....	248, 734	8, 282	7
.....	.....	.....	.....	.....	.....	.....	.....	8
772	3, 083	31, 265	802, 663	2, 436	62, 319	1, 850, 520	125, 810	9
2, 318	4, 941	377	8, 540	1	10	429, 100	12, 963	10
.....	.....	.....	.....	.....	.....	.....	.....	11
561	927	3, 060	66, 600	33	795	399, 825	22, 583	12

PRODUCTS.							
Blooms and bar iron made from ore.	Value.	Blooms made from pig and scrap iron.	Value.	Value of all other products (including jobbing and repairing).	Total quantity of all products.	Total value of all products.	
Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Dollars.*	*Tons.*	*Dollars.*	
37, 633	1, 812, 380	34, 924	2, 129, 933	25, 761	72, 557	3, 968, 074	
102	10, 200	450	27, 000	.....	552	37, 200	1
.....	.....	3, 661	219, 660	.....	3, 661	219, 660	2
.....	.....	44	2, 200	.....	44	2, 200	3
4, 000	200, 000	.....	.....	.....	4, 000	200, 000	4
523	29, 650	3, 306	177, 945	1, 500	3, 829	209, 095	5
31, 580	1, 462, 456	138	8, 320	7, 580	31, 718	1, 478, 356	6
439	41, 010	.....	.....	75	439	41, 085	7
.....	.....	.....	.....	.....	.....	.....	8
175	16, 258	24, 398	1, 527, 008	13, 543	24, 573	1, 556, 809	9
756	46, 786	345	16, 800	1, 195	1, 101	64, 781	10
.....	.....	.....	.....	.....	.....	.....	11
58	6, 020	2, 582	151, 000	1, 868	2, 640	158, 888	12

TABLE LIV.—*Manufactures: Special statistics*

12.—IRON AND STEEL: D—IRON ROLLING-MILLS.

	States and Territories.	Establishments.	Capital.	Average number of hands employed.				Total amount paid in wages during the year.	Machines.		
				Males above 16 years.	Males below 16 years.	Females above 15 years.	Females below 15 years.		Charcoal forge fires.	Single puddling furnaces.	Heating furnaces.
		No.	*Dollars.*					*Dollars.*	*No.*	*No.*	*No.*
	The United States	324	89,783,199	74,422	5,659	31	21	34,004,799	309	*a*4,319	2,105
1	Alabama	2	203,000	50	10	.....	.....	18,000	.....	4	2
2	California	1	1,000,000	284	35	.....	.....	177,722	.....	3	18
3	Colorado	1	100,000	125	.....	.....	.....	7,000	.....	.....	5
4	Connecticut	8	885,000	433	18	.....	.....	210,463	5	17	25
5	Delaware	9	1,431,469	818	49	.....	.....	344,476	5	*b* 35	33
6	District of Columbia	1	89,600	18	.....	.....	.....	7,528	.....	.....	2
7	Georgia	2	305,000	475	25	.....	.....	102,239	.....	18	13
8	Illinois	8	2,350,620	2,197	271	.....	.....	1,090,028	.....	96	45
9	Indiana	9	1,828,000	1,590	150	.....	.....	810,081	.....	122	55
10	Kansas	2	450,000	570	60	.....	.....	166,500	.....	.....	17
11	Kentucky	8	2,765,000	1,988	182	.....	.....	906,912	25	115	57
12	Maine	2	300,000	383	17	.....	.....	96,544	.....	26	15
13	Maryland	5	2,145,000	1,189	64	.....	.....	546,974	.....	96	52
14	Massachusetts	22	5,751,408	5,839	125	21	.....	2,343,391	40	161	189
15	Michigan	2	671,000	918	7	.....	.....	360,727	16	13	28
16	Missouri	6	1,670,000	794	61	.....	.....	389,846	9	35	28
17	Nebraska	1	100,000	90	10	.....	.....	50,000	.....	.....	2
18	New Hampshire	1	400,000	250	.....	.....	.....	100,000	7	.....	19
19	New Jersey	14	4,000,550	2,763	57	.....	.....	1,086,375	24	125	63
20	New York	23	6,086,000	4,995	537	.....	.....	1,937,319	14	242	141
21	Ohio	44	9,210,270	9,572	679	.....	15	5,030,552	26	*c* 659	281
22	Pennsylvania	131	42,089,488	32,392	2,590	10	6	15,372,943	132	*d*2,224	870
23	Rhode Island	2	550,000	200	75	.....	.....	130,969	.....	11	32
24	Tennessee	4	1,201,600	1,095	185	.....	.....	336,786	.....	49	18
25	Utah	1	60,000	.....	.....	.....	.....	.....	.....	.....	.....
26	Vermont (*e*)	.....	.....	.....	.....	.....	.....	.....	.....	4	.....
27	Virginia	5	838,000	1,084	50	.....	.....	352,539	6	55	28
28	West Virginia	8	2,390,191	2,901	327	.....	.....	1,301,658	.....	179	31
29	Wisconsin	1	700,000	1,235	65	.....	.....	647,577	.....	30	26
30	Wyoming	1	212,603	174	10	.....	.....	79,650	.....	.....	10

a Excluding puddling machines, and counting each double puddling furnace as two furnaces.
b And 1 Sellers rotary puddling machine.
c And 9 Danks puddling machines.
d And 10 Danks puddling machines.
e The rolling-mill in Vermont is properly an open-hearth steel works, and its statistics are included in the statistics of open-hearth steel works. It made a quantity of iron rails in the census year, however, which must be classed here.

for principal industries: 1880—Continued.

12.—IRON AND STEEL: D—IRON ROLLING-MILLS.

MACHINES—continued.				MATERIALS.						
Hammers.	Trains of rolls.	Nail machines.	Total daily capacity of rolled iron.	Iron ore.	Value.	Pig iron.	Value.	Old iron rails.	Value.	
No.	*No.*	*No.*	*Tons.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	
239	1,206	3,775	16,430	363,959	2,700,167	1,574,693	35,898,506	708,534	20,701,099	
.....	3	.....	6	150	600	600	15,000	.....	.....	1
5	4	.....	100	.....	.....	.....	.....	10,000	250,000	2
.....	2	.....	40	.....	.....	.....	.....	5,000	110,000	3
3	18	.....	94	332	2,690	118	3,540	756	22,680	4
8	28	.....	141	3,235	20,090	12,948	299,795	9,500	285,000	5
2	1	.....	4	.....	.....	.....	.....	.....	.....	6
1	8	22	114	780	2,837	2,963	63,787	9,128	217,943	7
2	25	164	701	13,105	63,470	41,414	946,667	95,869	3,011,040	8
1	27	165	471	5,532	57,227	28,251	599,950	49,221	1,672,398	9
2	4	.....	255	.....	.....	.....	.....	20,700	633,000	10
7	38	80	446	6,970	51,671	26,635	553,076	20,800	589,400	11
.....	7	30	67	1,097	8,973	3,227	86,763	4,592	127,150	12
5	25	.....	285	3,825	22,930	26,755	650,536	10,350	360,350	13
24	88	705	800	18,035	125,131	48,623	1,099,950	24,855	690,584	14
7	10	.....	180	3,000	15,000	8,960	204,000	9,119	309,165	15
11	16	.....	176	873	9,900	2,775	59,870	1,200	49,200	16
.....	1	22	15	.....	.....	.....	.....	400	18,000	17
12	3	.....	20	.....	.....	.....	.....	3,800	133,000	18
11	44	337	511	15,455	89,843	43,446	922,561	17,389	480,905	19
15	81	45	950	43,962	160,248	102,494	1,980,665	49,899	1,374,338	20
32	183	420	2,493	50,791	460,208	237,231	6,043,085	85,713	2,450,640	21
84	515	1,259	7,189	178,074	1,469,246	881,008	19,818,759	182,229	5,213,258	22
.....	9	66	56	.....	.....	.....	.....	.....	.....	23
2	12	74	170	3,820	8,750	13,100	273,500	11,960	303,526	24
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
.....	.....	.....	.....	.....	.....	.....	.....	2,500	75,000	26
3	19	81	249	1,690	11,671	11,485	261,031	27,541	738,146	27
.....	26	305	382	13,233	119,682	64,740	1,657,571	9,124	265,128	28
1	7	.....	450	.....	.....	17,920	358,400	35,840	967,680	29
1	2	.....	65	.....	.....	.....	.....	11,049	353,568	30

TABLE LIV.—*Manufactures: Special statistics*

12.—IRON AND STEEL: D—IRON ROLLING-MILLS—Continued.

	States and Territories.	MATERIALS—continued.							
		Other old or scrap iron.	Value.	Hammered iron ore blooms.	Value.	Hammered pig or scrap blooms.	Value.	Purchased muck bar.	Value.
		Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*
	The United States	422,282	11,180,028	14,147	757,704	46,861	2,382,329	53,754	2,369,544
1	Alabama	200	5,000						
2	California	6,300	157,000					1,000	45,000
3	Colorado	100	1,700						
4	Connecticut	18,669	469,412					387	13,545
5	Delaware	11,432	301,322	1,986	84,240	416	14,523	908	45,543
6	District of Columbia	*a* 313							
7	Georgia	1,355	31,346						
8	Illinois	6,930	169,840						
9	Indiana	12,900	324,050						
10	Kansas	1,000	28,000					60	2,200
11	Kentucky	24,155	685,067	1,000	65,000	2,665	142,375		
12	Maine	2,739	72,656			40	1,520		
13	Maryland	12,855	277,845	250	15,000	6,686	283,960	169	6,203
14	Massachusetts	44,649	1,177,617	687	38,700	2,186	87,490	3,500	250,000
15	Michigan	15,507	517,745						
16	Missouri	15,935	454,260					200	8,000
17	Nebraska	2,400	84,000						
18	New Hampshire	2,100	58,800						
19	New Jersey	21,696	596,150					2,800	112,000
20	New York	21,581	525,304	1,550	75,000	5,192	301,921	191	6,306
21	Ohio	48,002	1,109,884	167	9,029	831	21,802	3,530	153,600
22	Pennsylvania	128,404	3,464,705	8,507	470,735	28,845	1,528,738	40,218	1,703,691
23	Rhode Island	9,405	308,195					761	22,256
24	Tennessee	1,700	41,974					30	1,200
25	Utah								
26	Vermont								
27	Virginia	3,075	84,431						
28	West Virginia	1,030	37,475						
29	Wisconsin	7,850	196,250						
30	Wyoming								

a No value attached.

for principal industries: 1880—Continued.

12.—IRON AND STEEL: D—IRON ROLLING-MILLS—Continued.

MATERIALS—continued.

Charcoal.	Value.	Anthracite coal.	Value.	Bituminous coal.	Value.	Coke.	Value.	Value of all other materials.	Total value of all materials.	
Bushels.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Dollars.*	*Dollars.*	
2,569,756	225,306	526,126	1,358,077	3,915,377	9,047,054	14,834	48,589	1,608,830	88,277,233	
.....	.....	.....	.....	3,000	4,800	.....	.....	.....	25,400	1
.....	.....	500	5,000	10,500	78,500	.....	.....	.....	535,500	2
.....	.....	.....	.....	5,000	20,000	.....	.....	.....	131,700	3
90,000	9,000	.....	.....	18,477	88,085	.....	.....	3,356	612,308	4
65,139	5,957	4,829	18,195	35,058	116,530	.....	.....	22,855	1,214,050	5
.....	.....	.....	.....	790	2,264	.....	.....	.....	2,264	6
.....	.....	.....	.....	17,032	55,358	140	525	1,480	373,276	7
.....	.....	.....	.....	177,260	431,402	.....	.....	3,680	4,626,099	8
.....	.....	.....	.....	150,097	270,890	36	252	32,700	2,957,467	9
300	45	.....	.....	21,000	69,750	100	1,250	.....	734,245	10
155,000	13,683	.....	.....	104,848	238,216	.....	.....	66,126	2,404,614	11
.....	.....	275	1,450	11,173	55,865	.....	.....	2,565	356,942	12
.....	.....	2,630	13,600	75,860	183,378	20	40	15,200	1,829,042	13
581,736	40,903	35,450	157,357	141,215	662,177	3,545	10,410	538,830	4,879,149	14
50,000	3,750	167	857	45,214	137,091	105	588	.....	1,188,196	15
81,000	8,505	.....	.....	55,402	137,531	692	3,125	70,000	800,391	16
.....	.....	.....	.....	2,500	12,500	.....	.....	.....	111,500	17
.....	.....	.....	.....	11,300	73,450	.....	.....	.....	265,250	18
439,650	40,692	76,560	269,614	55,370	241,024	566	2,680	23,200	2,778,669	19
59,000	4,800	11,917	32,374	224,722	677,189	.....	.....	148,514	5,286,659	20
220,000	20,350	.....	.....	613,105	1,125,322	110	235	55,883	11,450,038	21
827,431	77,571	393,348	856,980	1,807,267	3,726,505	9,520	29,484	519,686	38,879,358	22
.....	.....	.....	.....	10,800	44,896	.....	.....	.....	375,347	23
.....	.....	.....	.....	53,730	94,265	.....	.....	.....	723,215	24
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
.....	.....	.....	.....	.....	.....	.....	.....	.....	75,000	26
.....	.....	450	2,650	29,292	90,704	.....	.....	11,065	1,199,698	27
500	50	.....	.....	161,191	152,418	.....	.....	93,690	2,326,014	28
.....	.....	.....	.....	63,675	206,944	.....	.....	.....	1,729,274	29
.....	.....	.....	.....	10,499	50,000	.....	.....	.....	403,568	30

TABLE LIV.—*Manufactures: Special statistics*

12.—IRON AND STEEL: D—IRON ROLLING-MILLS—Continued.

	States and Territories.	PRODUCTS.							
		Bar iron. (a)	Value. (a)	Rod iron. (a)	Value. (a)	Structural iron.	Value.	Skelp iron. (b)	Value. (b)
		Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*
	The United States.	663, 211	35, 302, 431	145, 626	9, 303, 133	96, 810	5, 520, 719	128, 321	7, 910, 409
1	Alabama	150	10, 000						
2	California	8, 000	480, 000						
3	Colorado								
4	Connecticut	6, 365	306, 275	9, 838	631, 682				
5	Delaware	15, 650	939, 000			2, 200	143, 000	1, 987	140, 050
6	District of Columbia	226	9, 020						
7	Georgia	2, 828	134, 136						
8	Illinois	28, 656	1, 663, 521						
9	Indiana	16, 993	798, 000	1, 700	100, 000				
10	Kansas	450	2, 500	15	800				
11	Kentucky	16, 253	984, 571	4, 341	238, 611	2, 000	130, 000		
12	Maine	4, 652	282, 645					1, 600	120, 000
13	Maryland	18, 418	740, 900	2, 167	119, 185	300	15, 000	3, 910	249, 158
14	Massachusetts	18, 855	977, 684	22, 697	1, 847, 953			5, 563	384, 513
15	Michigan	12, 605	672, 175						
16	Missouri	5, 490	319, 053						
17	Nebraska								
18	New Hampshire	2, 832	172, 000						
19	New Jersey	15, 998	825, 027	5, 600	461, 000	20, 490	1, 276, 503	1, 650	125, 000
20	New York	90, 304	4, 786, 171	7, 015	472, 548	2, 467	150, 795	1, 921	102, 510
21	Ohio	115, 049	5, 986, 599	11, 651	676, 560	485	35, 100	1, 000	50, 000
22	Pennsylvania	232, 399	12, 335, 625	74, 963	4, 456, 149	68, 868	3, 770, 321	110, 690	6, 739, 178
23	Rhode Island								
24	Tennessee	3, 022	151, 100	4, 000	220, 000				
25	Utah								
26	Vermont								
27	Virginia	12, 519	618, 596	1, 460	73, 000				
28	West Virginia	4, 046	222, 520	160	4, 600				
29	Wisconsin	31, 101	1, 866, 060						
30	Wyoming	350	19, 250	19	1, 045				

a These quantities and values only include bar iron and rod iron sold in the form of bars and rods; they do not include bar iron and rod iron worked into spikes and other finished forms by the same establishments, the quantities and values of which are found under the head of "All other finished products", on page 1151.

b Skelp iron is used for wrought-iron tubes and pipes. These quantities and values do not include finished pipe made in the same works, which finished pipe is embraced in "All other finished products".

for principal industries: 1880—Continued.

12.—IRON AND STEEL: D—IRON ROLLING-MILLS—Continued.

PRODUCTS—continued.										
Rolled-iron car-axles.	Value.	Hammered-iron car-axles. (c)	Value.	Iron rails.	Value.	Muck bar produced for sale.	Value.	Sheet iron.	Value.	
Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	
2,630	179,154	21,884	1,600,104	466,917	20,978,697	64,469	2,440,941	94,992	8,473,642	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	.....	.....	.....	6,000	300,000	.....	.....	.....	.....	2
.....	.....	.....	.....	4,500	225,000	.....	.....	.....	.....	3
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
.....	.....	.....	.....	.....	.....	.....	.....	5,243	481,924	5
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
.....	.....	.....	.....	8,673	352,624	.....	.....	.....	.....	7
.....	.....	.....	.....	72,802	3,192,178	.....	.....	.....	.....	8
.....	.....	.....	.....	38,600	1,946,500	.....	.....	6,383	427,320	9
.....	.....	.....	.....	13,500	709,700	.....	.....	.....	.....	10
.....	.....	.....	.....	18,000	800,000	.....	.....	4,784	364,795	11
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
.....	.....	.....	.....	9,280	431,814	.....	.....	3,178	317,800	13
.....	.....	50	4,000	5,600	308,000	.....	.....	.....	.....	14
.....	.....	4,600	322,000	.....	.....	.....	.....	1,300	92,718	15
.....	.....	6,675	521,110	.....	.....	.....	.....	.....	.....	16
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
.....	.....	1,320	88,440	.....	.....	.....	.....	.....	.....	18
.....	.....	.....	.....	.....	.....	.....	.....	1,150	101,200	19
.....	.....	511	41,000	34,305	1,508,839	3,510	175,500	.....	.....	20
.....	.....	1,803	91,377	41,838	1,907,244	5,954	224,890	14,440	1,137,935	21
2,330	158,154	6,925	532,177	157,213	6,559,920	53,014	1,984,755	54,174	5,249,950	22
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23
.....	.....	.....	.....	12,800	640,000	100	2,900	.....	.....	24
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
.....	.....	.....	.....	1,500	60,000	.....	.....	.....	.....	26
300	21,000	.....	.....	.....	.....	.....	.....	.....	.....	27
.....	.....	.....	.....	3,333	147,332	1,891	52,896	4,340	300,000	28
.....	.....	.....	.....	29,552	1,418,496	.....	.....	.....	.....	29
.....	.....	.....	.....	9,421	471,050	.....	.....	.....	.....	30

c This column only includes the car-axles hammered in forges attached to rolling-mills, and does not profess to give the total production of hammered axles in the country, a considerable quantity being made by forging establishments, the statistics of which do not belong to iron rolling-mill statistics.

TABLE LIV.—*Manufactures: Special statistics*

12.—IRON AND STEEL: D—IRON ROLLING-MILLS—Continued.

	States and Territories.	PRODUCTS—continued.							
		Boiler-plate iron.	Value.	All other plate iron except nail plate.	Value.	Hoop iron.	Value.	All other rolled iron. (a)	Value.
		Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*
	The United States.	89, 560	6, 501, 298	94, 749	5, 688, 863	96, 843	6, 069, 484	48, 345	2, 867, 872
1	Alabama					500	37, 500		
2	California								
3	Colorado								
4	Connecticut								
5	Delaware	1, 241	111, 690	2, 482	186, 130			1, 900	118, 650
6	District of Columbia			38	1, 950				
7	Georgia								
8	Illinois							4, 466	263, 908
9	Indiana	54	3, 270						
10	Kansas							3, 350	160, 800
11	Kentucky	5, 375	507, 500	3, 155	197, 350	785	52, 800	100	7, 000
12	Maine					375	22, 500	2, 000	81, 808
13	Maryland	6, 612	426, 236	3, 702	241, 403	12	555		
14	Massachusetts	1, 879	165, 846	23, 410	1, 333, 915	3, 983	229, 562	1, 947	183, 050
15	Michigan	4, 600	357, 158						
16	Missouri								
17	Nebraska								
18	New Hampshire	100	6, 700						
19	New Jersey							100	7, 000
20	New York			2, 750	117, 692	3, 077	239, 218	13, 049	693, 250
21	Ohio	9, 180	584, 100	7, 050	479, 000	23, 149	1, 397, 375		
22	Pennsylvania	60, 519	4, 338, 798	52, 162	3, 131, 423	64, 722	4, 077, 974	21, 310	1, 347, 436
23	Rhode Island								
24	Tennessee								
25	Utah								
26	Vermont								
27	Virginia								
28	West Virginia					240	12, 000	123	4, 920
29	Wisconsin								
30	Wyoming								

a Fish-plates, etc.

for principal industries: 1880—Continued.

12.—IRON AND STEEL: D—IRON ROLLING-MILLS—Continued.

PRODUCTS—continued.									
All other hammered iron. (b)	Value.	Cut nails. (c)	Value.	All other finished products. (d)	Value.	Value of all other products, including repairing.	Total of all products.	Total value of all products.	
Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Dollars.*	*Tons.*	*Dollars.*	
3,703	294,010	252,830	16,295,300	82,358	5,974,405	1,398,112	2,353,248	136,798,574	
.....	.....	.....	.....	.....	.....	.....	650	47,500	1
.....	.....	.....	.....	.....	.....	.....	14,000	780,000	2
.....	.....	.....	.....	.....	.....	.....	4,500	225,000	3
.....	.....	.....	.....	.....	.....	14,500	16,203	952,457	4
.....	.....	.....	.....	3,215	225,800	933	33,918	2,347,177	5
.....	.....	.....	.....	.....	.....	.....	264	10,970	6
.....	.....	.....	.....	.....	.....	.....	11,501	486,760	7
.....	.....	11,127	823,452	.....	.....	1,000	117,051	5,944,059	8
.....	.....	14,038	794,036	112	11,242	10,500	77,880	4,090,868	9
30	2,500	.....	.....	1,710	103,800	24,000	19,055	1,004,100	10
.....	.....	10,500	525,000	.....	.....	.....	65,293	3,807,627	11
.....	.....	224	16,000	.....	.....	.....	8,851	522,953	12
.....	.....	.....	.....	30	1,500	6,500	47,609	2,550,051	13
250	30,000	24,544	1,773,929	474	29,440	505,166	109,252	7,773,058	14
25	2,500	.....	.....	.....	.....	.....	23,130	1,446,551	15
421	45,871	.....	.....	3,922	374,479	18,000	16,508	1,278,513	16
.....	.....	2,000	82,000	.....	.....	.....	2,000	82,000	17
500	67,000	.....	.....	.....	.....	3,000	4,752	337,140	18
.....	.....	14,803	954,123	6,239	789,693	17,219	66,030	4,556,765	19
.....	.....	611	40,840	4,018	253,955	115,125	163,538	8,697,446	20
.....	.....	36,697	2,334,490	3,798	318,600	24,500	272,094	15,247,770	21
2,477	146,139	75,200	4,842,470	34,132	2,387,746	586,101	1,071,098	62,644,366	22
.....	.....	.....	.....	8,134	488,040	.....	8,134	488,040	23
.....	.....	5,209	197,458	250	9,692	11,000	25,381	1,232,150	24
.....	.....	.....	.....	.....	.....	.....	.....	.....	25
.....	.....	.....	.....	.....	.....	.....	1,500	60,000	26
.....	.....	5,082	324,320	15,815	949,500	.....	35,176	1,986,416	27
.....	.....	52,795	3,587,182	509	30,918	60,568	67,437	4,422,936	28
.....	.....	.....	.....	.....	.....	.....	60,653	3,284,556	29
.....	.....	.....	.....	.....	.....	.....	9,790	491,345	30

b This column only includes the quantity of iron hammered in forges connected with rolling-mills, there being a considerable quantity of iron hammered in forging establishments the statistics of which do not belong to iron rolling-mill statistics.

c The quantity of cut nails here given can be reduced to kegs (which are always 100 pounds in weight) by multiplying by 20.

d Horseshoes, railroad spikes, wire etc.

TABLE LIV.—*Manufactures: Special statistics*

12.—IRON AND STEEL: E—BESSEMER AND OPEN-HEARTH STEEL WORKS

	States.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Machines.							
				Males above 16 years.	Males below 16 years.	Females above 15 years.		Bessemer converters.	Daily capacity, in tons of ingots.	Open-hearth furnaces.	Daily capacity, in tons of ingots.	Heating furnaces.	Trains of rolls.	Daily capacity, in tons of rolled steel.	Hammers.
	United States	*No.* 36	*Dollars.* 20,975,999	10,213	621	1	*Dollars.* 4,930,349	*No.* 24	4,467	*No.* 37	827	*No.* 177	*No.* 56	5,223	*No.* 49
1	Connecticut (*a*)														
2	Illinois	5	2,545,000	2,187	94		1,230,636	6	1,201	2	240	42	12	1,302	13
3	Kentucky	1	30,000	13	2		1,500			1	7				
4	Massachusetts	2	250,000	105			51,000			4	52	3	1	47	
5	Missouri	1	2,200,000	885	49		57,618	2	300			7	2	250	1
6	New Hampshire	1	250,000	39	1		27,690			1	19				
7	New Jersey (*b*)	1								1	15				
8	New York	2	2,250,000	1,521	129		692,218	2	400			40	10	930	5
9	Ohio	5	1,254,105	725	96		503,421	2	364	10	159	9	5	45	7
10	Pennsylvania	15	11,616,894	4,513	240	1	2,278,266	12	2,202	14	275	67	18	2,549	22
11	Rhode Island (*c*)	1	80,000							1	30				
12	Tennessee	1	200,000	60	10		40,000			2	10	1			
13	Vermont	1	300,000	165			48,000			1	20	8	2	100	1

	States.	Materials—continued.							
		Purchased open-hearth steel ingots and blooms.	Value.	Scrap iron.	Value.	Scrap steel.	Value.	Hammered iron-ore blooms.	Value.
	United States	*Tons.* 17,713	*Dollars.* 1,129,662	*Tons.* 13,911	*Dollars.* 295,074	*Tons.* 90,645	*Dollars.* 2,257,053	*Tons.* 16,053	*Dollars.* 899,136
1	Connecticut	1,020	72,600						
2	Illinois			2,570	57,820	20,490	584,732		
3	Kentucky							50	3,000
4	Massachusetts	2,420	193,600	540	12,140	2,600	66,500	5,250	236,200
5	Missouri					1,617	53,925		
6	New Hampshire					1,300	39,000	1,800	126,000
7	New Jersey	5,511	324,462						
8	New York	450	33,000			6,745	122,000		
9	Ohio			2,550	61,200	1,968	58,883	6,216	341,606
10	Pennsylvania	8,312	506,000	8,181	162,164	55,875	1,330,013	2,737	192,330
11	Rhode Island								
12	Tennessee			50	1,250	50	2,000		
13	Vermont			20	500				

a A crucible steel works in Connecticut manipulates open-hearth steel.
b The only open-hearth steel works in New Jersey is so interwoven with a crucible steel works that it is not possible to separate all the details.
c This establishment was not in operation in the census year.

or principal industries: 1880—Continued.

2.—IRON AND STEEL: E—BESSEMER AND OPEN-HEARTH STEEL WORKS.

MATERIALS.										
Iron ore.	Value.	Spiegeleisen and ferro-manganese.	Value.	Other pig iron.	Value.	Old steel rails and steel-rail ends.	Value.	Purchased Bessemer steel ingots and blooms.	Value.	
Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	
7,327	59,997	86,138	2,868,519	966,603	22,521,098	85,653	2,435,263	42,939	2,300,988	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
86	1,290	21,444	764,786	242,382	5,965,896	25,192	610,051	.....	.....	2
70	1,050	20	1,500	125	3,700	50	1,500	.....	.....	3
10	80	75	6,700	1,900	52,800	1,400	35,000	15,000	900,000	4
.....	.....	906	31,710	7,910	237,300	4,500	196,000	700	56,000	5
18	180	480	4,800	1,800	72,000	.....	.....	.....	.....	6
5	50	15	600	140	5,600	300	10,500	.....	.....	7
.....	.....	7,625	192,000	83,555	1,950,000	9,091	194,000	146	7,000	8
2,097	16,346	7,629	317,133	91,010	1,945,132	11,334	449,422	.....	.....	9
4,141	36,001	47,554	1,531,290	532,031	12,161,170	33,586	932,790	25,493	1,273,988	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
200	1,000	90	8,000	4,500	90,000	200	6,000	.....	.....	12
700	4,000	300	10,000	1,250	37,500	.....	.....	1,600	64,000	13

MATERIALS—continued.												
Hammered pig and scrap blooms.	Value.	Anthracite coal.	Value.	Bituminous coal.	Value.	Coke.	Value.	Charcoal.	Value.	Value of all other materials.	Total value of all materials.	
Tons.	*Dolls.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Bush.*	*Dolls.*	*Dollars.*	*Dollars.*	
250	10,500	140,458	348,752	465,655	1,087,731	104,980	471,618	37,552	3,461	138,076	36,826,928	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	72,600	1
.....	.....	830	3,907	137,403	358,125	35,423	216,830	10,000	500	20,000	8,583,937	2
.....	.....	.....	.....	500	1,200	.....	.....	.....	.....	.....	11,950	3
.....	.....	.....	.....	10,000	53,000	.....	.....	.....	.....	40,000	1,596,020	4
.....	.....	.....	.....	12,536	37,608	.....	.....	.....	.....	.....	612,543	5
.....	.....	20	125	2,500	16,000	.....	.....	.....	.....	.....	258,105	6
.....	.....	.....	.....	225	1,125	.....	.....	.....	.....	.....	342,337	7
.....	.....	41,853	125,500	23,157	74,013	2,317	11,600	11,716	1,504	34,485	2,745,102	8
.....	.....	.....	.....	61,879	140,964	10,801	45,574	.....	.....	1,562	3,377,822	9
250	10,500	96,755	213,220	204,455	359,696	55,939	195,114	14,836	1,357	32,029	18,937,662	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
.....	.....	.....	.....	8,000	16,000	500	2,500	.....	.....	10,000	136,750	12
.....	.....	1,000	6,000	5,000	30,000	.....	.....	1,000	100	.....	152,100	13

TABLE LIV.—*Manufactures: Special statistic*

12.—IRON AND STEEL: E—BESSEMER AND OPEN-HEARTH STEEL WORKS—Continued.

	States.	PRODUCTS.					
		Bessemer steel rails.	Value.	Open-hearth steel rails.	Value.	Bessemer steel bars.	Value.
		Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*
	United States	741,475	37,408,625	9,105	483,450	76,710	4,718,354
1	Connecticut						
2	Illinois	201,186	11,961,130			1,807	90,000
3	Kentucky						
4	Massachusetts						
5	Missouri	5,100	357,000				
6	New Hampshire						
7	New Jersey						
8	New York	57,870	2,480,000			27,037	1,981,000
9	Ohio	66,480	3,324,000			3,000	182,395
10	Pennsylvania	409,339	19,173,995	3,360	151,200	44,866	2,484,959
11	Rhode Island						
12	Tennessee			2,745	137,250		
13	Vermont	1,500	112,500	3,000	195,000		

	States.	PRODUCTS—continued.							
		Open-hearth steel structural shapes.	Value.	Open-hearth steel sheets.	Value.	Bessemer steel plates.	Value.	Open-hearth steel plates.	Value.
		Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*
	United States	80	8,800	1,700	191,955	1,475	148,144	11,034	1,428,300
1	Connecticut								
2	Illinois								
3	Kentucky								
4	Massachusetts							2,302	284,660
5	Missouri								
6	New Hampshire							1,276	187,600
7	New Jersey								
8	New York					430	45,000		
9	Ohio	80	8,800	650	64,955			5,176	662,840
10	Pennsylvania			1,050	127,000	1,045	103,144	2,280	293,200
11	Rhode Island								
12	Tennessee								
13	Vermont								

for principal industries: 1880—Continued.

12.—IRON AND STEEL: E.—BESSEMER AND OPEN-HEARTH STEEL WORKS—Continued.

PRODUCTS—continued.								
Open-hearth steel bars.	Value.	Bessemer steel rods.	Value.	Open-hearth steel rods.	Value.	Bessemer steel structural shapes.	Value.	
Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	
43,296	3,454,321	49,064	3,795,240	1,134	123,200	557	63,060	
1,014	101,400	.....	.....	.....	.....	.....	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	2
.....	.....	.....	.....	.....	.....	.....	.....	3
2,200	176,000	14,906	1,500,000	234	29,200	.....	.....	4
.....	.....	.....	.....	.....	.....	.....	.....	5
490	49,000	.....	.....	.....	.....	.....	.....	6
3,700	345,000	.....	.....	.....	.....	.....	.....	7
.....	.....	226	18,000	400	44,000	.....	.....	8
11,647	810,602	18,532	1,297,240	.....	.....	.....	.....	9
24,245	1,972,319	15,400	980,000	500	50,000	557	63,060	10
.....	.....	.....	.....	.....	.....	.....	.....	11
.....	.....	.....	.....	.....	.....	.....	.....	12
.....	.....	.....	.....	.....	.....	.....	.....	13

PRODUCTS—continued.							
Other Bessemer steel.	Value.	Other open-hearth steel.	Value.	Value of all other products including jobbing and repairing.	Total tons of all products.	Total value of all products.	
Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Dollars.*	*Tons.*	*Dollars.*	
20,615	1,362,162	26,794	2,476,659	142,940	983,039	55,805,210	
.....	.....	.....	.....	.....	1,014	101,400	1
1,400	100,000	925	46,250	.....	205,318	12,197,380	2
.....	.....	275	24,750	.....	275	24,750	3
.....	.....	2,700	189,000	.....	22,342	2,178,860	4
5,100	550,000	.....	.....	.....	10,200	907,000	5
.....	.....	1,460	233,600	.....	3,226	470,200	6
.....	.....	1,698	189,439	.....	5,398	534,439	7
1,202	139,000	.....	.....	95,036	87,165	4,802,036	8
.....	.....	3,410	242,218	3,747	108,975	6,596,797	9
12,913	573,162	16,326	1,551,402	44,157	531,881	27,547,598	10
.....	.....	.....	.....	.....	.....	.....	11
.....	.....	.....	.....	.....	2,745	137,250	12
.....	.....	.....	.....	.....	4,500	307,500	13

TABLE LIV.—*Manufactures: Special statistics*

12.—IRON AND STEEL: F—CRUCIBLE AND MISCELLANEOUS STEEL WORKS.

	States.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Males below 16 years.	Females above 15 years.	Total amount paid in wages during the year.
		No.	*Dollars.*				*Dollars.*
	The United States	37	10,665,547	5,010	185	1	2,945,539
1	Connecticut	3	500,000	91	4	.....	54,747
2	Illinois	1	50,000	6	.....	.....	3,000
3	Kentucky	1	17,000	20	.....	.....	6,000
4	Maryland (*a*)	1	50,000	.....	.....	.....	.....
5	Massachusetts	1	50,000	25	.....	.....	5,584
6	New Jersey	5	1,290,000	675	.....	.....	326,247
7	New York	3	825,000	240	15	.....	95,654
8	Ohio	2	40,000	40	.....	.....	5,940
9	Pennsylvania	20	7,843,547	3,913	166	1	2,448,367

	States.	Materials—continued. Old steel.	Value.	Hammered iron-ore blooms.	Value.	Hammered pig and scrap blooms.	Value.
		Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*
	The United States	19,726	746,661	13,211	931,300	2,400	157,000
1	Connecticut	1,008	48,020	400	30,000	.....	.....
2	Illinois	100	3,500	.....	.....	.....	.....
3	Kentucky	25	750	.....	.....	.....	.....
4	Maryland	.....	.....	.....	.....	.....	.....
5	Massachusetts	100	3,239	50	4,250	.....	.....
6	New Jersey	3,262	147,319	1,201	72,050	1,500	91,000
7	New York	1,062	43,420	.....	.....	.....	.....
8	Ohio	474	11,830	.....	.....	.....	.....
9	Pennsylvania	13,695	488,583	11,560	825,000	900	66,000

	States.	Materials—continued. Coke.	Value.	Other material.	Value.	Value of all other materials.	Total value of all materials.
		Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Dollars.*	*Dollars.*
	The United States	22,791	62,694	30	3,100	108,715	5,000,332
1	Connecticut	.....	.....	.....	.....	.....	184,850
2	Illinois	150	1,000	.....	.....	.....	4,500
3	Kentucky	500	3,000	.....	.....	.....	5,825
4	Maryland	.....	.....	.....	.....	.....	.....
5	Massachusetts	.....	.....	.....	.....	.....	11,203
6	New Jersey	360	1,507	.....	.....	200	793,964
7	New York	150	900	20	2,400	11,381	232,425
8	Ohio	.....	.....	.....	.....	.....	20,435
9	Pennsylvania	21,631	56,287	10	700	97,134	3,747,130

a This establishment was not in operation in the census year.

for principal industries: 1880—Continued.

12.—IRON AND STEEL: F—CRUCIBLE AND MISCELLANEOUS STEEL WORKS.

MACHINES.							MATERIALS.						
Cementing furnaces.	Pot holes.	Heating furnaces.	Single puddling furnaces.	Trains of rolls.	Hammers.	Daily capacity, in tons of ingots or unwrought steel.	Iron ore.	Value.	Pig iron.	Value.	Old iron.	Value.	
No.	*No.*	*No.*	*No.*	*No.*	*No.*	*Tons.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	
42	2,691	340	57	86	170	445	2,128	19,715	17,226	580,653	1,952	77,596	
1	174	7	1	5	8	14.0	20	100	.....	.....	145	9,500	1
2	15	.....	.....	.....	2	1.5	.....	.....	.....	.....	.....	.....	2
.....	10	.....	.....	.....	.....	2.0	.....	.....	35	1,050	25	750	3
.....	24	1	.....	.....	2	4.0	.....	.....	.....	.....	.....	.....	4
.....	28	4	.....	1	1	2.5	.....	.....	.....	.....	.....	.....	5
.....	672	54	8	13	31	46.0	240	1,600	2,000	90,000	295	8,100	6
2	104	17	.....	5	16	16.0	.....	.....	.....	.....	100	4,000	7
.....	56	4	.....	.....	3	5.0	.....	.....	.....	.....	20	150	8
37	1,608	253	48	62	107	354.0	1,868	18,015	15,191	489,603	1,367	55,096	9

MATERIALS—continued.

Swedish billets and bars.	Value.	Other billets and bars.	Value.	Charcoal.	Value.	Anthracite coal.	Value.	Bituminous coal.	Value.	
Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Bushels.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	
10,410	855,176	16,496	908,407	60,594	5,612	40,392	168,233	224,657	375,470	
565	39,280	250	12,500	1,050	110	6,920	32,600	2,390	12,740	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
.....	.....	.....	.....	.....	.....	.....	.....	140	275	3
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
.....	.....	.....	.....	.....	.....	430	2,514	200	1,200	5
965	79,057	2,355	181,740	6,412	1,017	18,600	71,875	10,510	48,499	6
1,257	119,000	185	11,525	1,000	155	3,512	15,304	7,100	24,340	7
80	6,400	.....	.....	600	55	.....	.....	1,100	2,000	8
7,543	611,439	13,706	702,642	51,532	4,275	10,930	45,940	203,217	286,416	9

PRODUCTS.

Finished crucible steel.	Value.	Other products.	Value.	Value of other products (including jobbing and repairing).	Total tons of all products.	Total value of all products.	
Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Dollars.*	*Tons.*	*Dollars.*	
70,319	10,015,511	4,956	628,954	25,793	75,275	10,670,258	
1,981	284,330	84	12,600	3,000	2,065	299,930	1
130	12,000	.....	.....	.....	130	12,000	2
75	9,000	.....	.....	.....	75	9,000	3
.....	.....	.....	.....	.....	.....	.....	4
140	21,993	.....	.....	.....	140	21,993	5
10,189	1,508,350	1,000	100,000	4,500	11,189	1,612,850	6
2,511	425,140	.....	.....	.....	2,511	425,140	7
360	35,600	.....	.....	.....	360	35,600	8
54,933	7,719,098	3,872	516,354	18,293	58,805	8,253,745	9

TABLE LIV.—*Manufactures: Special statistics*

13.—LEATHER, CURRIED.

	States and Territories.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.
				Males above 16 years.	Females above 15 years.	Children and youths.	
	The United States	*No.* 2,319	*Dollars.* 16,878,520	10,808	77	168	*Dollars.* 4,845,413
1	Alabama	63	32,354	48	.....	2	8,291
2	Arkansas	4	2,417	3	.....	.....	942
3	California	63	427,350	229	.....	2	132,629
4	Colorado	3	16,700	13	1	.....	8,500
5	Connecticut	8	29,300	16	.....	.....	6,863
6	Delaware	4	14,800	12	.....	.....	3,981
7	District of Columbia	1	500	1	.....	.....	25
8	Georgia	79	60,009	89	.....	2	18,040
9	Idaho	2	1,850	1	.....	1	500
10	Illinois	18	534,786	247	.....	1	141,096
11	Indiana	93	381,552	181	.....	1	66,080
12	Iowa	10	12,455	12	.....	1	3,417
13	Kansas	1	333	1	.....	.....	200
14	Kentucky	46	169,400	112	.....	.....	33,263
15	Louisiana	4	3,050	3	.....	.....	1,028
16	Maine	34	510,900	262	10	2	99,094
17	Maryland	48	169,127	103	.....	2	36,596
18	Massachusetts	194	4,308,169	4,209	10	32	1,939,122
19	Michigan	44	256,311	113	3	.....	51,950
20	Minnesota	6	25,650	23	.....	.....	12,160
21	Mississippi	26	26,300	29	.....	1	6,860
22	Missouri	15	72,500	66	.....	.....	22,804
23	New Hampshire	37	351,850	260	17	.....	114,769
24	New Jersey	56	1,983,746	1,283	27	78	762,697
25	New York	185	1,720,356	884	.....	16	366,426
26	North Carolina	97	66,731	85	.....	4	13,590
27	Ohio	251	1,089,075	563	5	4	234,209
28	Oregon	11	19,135	12	.....	.....	5,638
29	Pennsylvania	455	2,570,969	827	4	15	334,950
30	Rhode Island	3	71,400	29	.....	.....	15,476
31	South Carolina	22	8,400	21	.....	.....	2,452
32	Tennessee	113	154,185	118	.....	2	27,700
33	Texas	21	22,150	14	.....	1	3,924
34	Utah	12	26,300	14	.....	.....	5,556
35	Vermont	24	113,950	63	.....	.....	22,245
36	Virginia	123	89,750	91	.....	.....	13,893
37	Washington	2	5,750	2	.....	.....	1,225
38	West Virginia	80	229,535	112	.....	.....	45,810
39	Wisconsin	61	1,299,425	657	.....	1	281,412

for principal industries: 1880—Continued.

13.—LEATHER, CURRIED.

MATERIALS.				PRODUCTS.			
Sides of leather.	Skins.	Oil.	Total value of all materials.	Sides of leather.	Skins.	Total value of products.	
Number.	*Number.*	*Gallons.*	*Dollars.*	*Number.*	*Number.*	*Dollars.*	
12,464,299	10,655,606	3,385,719	59,306,509	12,464,299	10,655,606	71,351,297	
33,146	12,307	4,742	88,033	33,146	12,307	130,123	1
1,900	350	220	5,470	1,900	350	7,650	2
266,054	466,450	70,013	1,683,021	266,054	466,450	2,001,850	3
7,100	15,100	4,425	53,250	7,100	15,100	90,550	4
10,100	11,825	3,333	70,170	10,100	11,825	86,950	5
11,400	190	2,260	57,125	11,400	190	67,300	6
100	60	40	645	100	60	880	7
83,871	14,830	10,743	190,753	83,871	14,830	296,150	8
800	475	120	2,687	800	475	3,949	9
251,660	431,920	81,526	1,967,255	251,660	431,920	2,391,380	10
276,760	37,181	59,628	1,192,434	276,760	37,181	1,462,776	11
6,340	7,002	1,735	47,020	6,340	7,002	61,611	12
200	50	30	1,361	200	50	1,813	13
131,461	14,185	31,339	554,247	131,461	14,185	687,883	14
2,440	13,075	424	16,342	2,440	13,075	20,366	15
518,850	232,558	105,961	2,290,310	518,850	232,558	2,612,350	16
78,220	59,372	18,394	388,608	78,220	59,372	508,458	17
4,951,562	5,178,609	1,316,491	19,547,978	4,951,562	5,178,609	23,282,775	18
161,308	63,351	33,226	812,065	161,308	63,351	996,932	19
33,432	7,046	7,975	116,925	33,432	7,046	141,685	20
27,515	7,770	4,500	74,103	27,515	7,770	102,436	21
64,428	13,794	15,616	276,034	64,428	13,794	336,623	22
435,450	339,466	162,699	1,824,797	435,450	339,466	2,161,734	23
818,804	1,703,316	262,863	7,690,270	818,804	1,703,316	8,727,128	24
1,048,581	639,772	304,087	5,210,852	1,048,581	639,772	6,192,002	25
64,078	12,606	9,854	132,817	64,078	12,606	196,302	26
632,615	256,054	183,724	3,141,024	632,615	256,054	3,886,627	27
17,372	4,616	3,025	61,815	17,372	4,616	89,577	28
1,272,931	404,874	319,067	6,639,432	1,272,931	404,874	7,852,177	29
66,154	16,200	12,440	186,250	66,154	16,200	227,125	30
17,809	3,245	2,340	32,602	17,809	3,245	43,520	31
119,311	17,271	21,434	452,774	119,311	17,271	546,427	32
14,344	4,301	2,355	46,017	14,344	4,301	62,535	33
7,118	4,352	1,886	40,171	7,118	4,352	59,088	34
129,425	13,890	44,127	457,632	129,425	13,890	530,337	35
59,420	15,797	10,497	173,051	59,420	15,797	232,989	36
4,100	900	1,400	24,500	4,100	900	29,500	37
103,340	48,995	21,198	586,755	103,340	48,995	725,010	38
784,800	582,451	249,982	3,769,914	734,800	582,451	4,496,729	39

TABLE LIV.—*Manufactures: Special statistics*

14.—LEATHER, TANNED.

	States and Territories.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.
				Males above 16 years.	Females above 15 years.	Children and youths.	
	The United States	*No.* 3,105	*Dollars.* 50,222,054	23,287	188	337	*Dollars.* 9,204,243
1	Alabama	82	86,876	129	.....	7	24,658
2	Arkansas	6	7,683	8	.....	.....	2,097
3	California	77	1,746,750	615	1	11	344,017
4	Colorado	3	16,700	13	1	.....	9,000
5	Connecticut	11	59,600	49	.....	.....	16,062
6	Delaware	3	2,800	4	.....	.....	650
7	District of Columbia	1	9,500	2	.....	.....	400
8	Georgia	94	143,441	150	.....	2	32,944
9	Idaho	2	1,850	1	.....	.....	500
10	Illinois	34	2,220,114	1,113	99	29	599,028
11	Indiana	105	653,349	296	.....	7	108,761
12	Iowa	10	14,575	12	1	2	4,327
13	Kansas	2	1,167	3	.....	.....	1,126
14	Kentucky	63	1,741,430	516	1	11	204,345
15	Louisiana	10	9,300	13	.....	2	2,941
16	Maine	83	2,459,700	1,387	.....	6	464,904
17	Maryland	63	802,343	378	9	5	127,164
18	Massachusetts	133	2,712,130	2,408	.....	32	1,093,973
19	Michigan	66	1,081,489	458	3	.....	222,228
20	Minnesota	6	32,450	26	.....	.....	13,910
21	Mississippi	34	37,690	54	.....	1	12,688
22	Missouri	26	137,850	107	3	8	43,817
23	New Hampshire	53	603,450	445	18	.....	199,146
24	New Jersey	55	1,810,050	1,227	4	69	716,599
25	New York	386	11,710,415	4,991	34	65	1,819,742
26	North Carolina	133	183,659	219	.....	1	37,846
27	Ohio	302	2,022,990	912	1	14	373,595
28	Oregon	16	36,465	16	.....	3	9,212
29	Pennsylvania	642	15,608,635	5,541	12	39	1,967,946
30	Rhode Island	4	368,600	113	.....	.....	53,694
31	South Carolina	28	42,675	61	.....	.....	9,120
32	Tennessee	147	470,075	333	.....	12	86,988
33	Texas	28	31,850	38	.....	1	7,411
34	Utah	13	43,200	22	.....	4	9,768
35	Vermont	53	433,300	184	.....	1	62,461
36	Virginia	163	658,973	328	.....	1	80,251
37	Washington	2	14,250	4	.....	.....	3,075
38	West Virginia	93	515,855	296	1	4	99,338
39	Wisconsin	73	1,697,825	815	.....	.....	337,211

for principal industries: 1880—Continued.

14.—LEATHER, TANNED.

MATERIALS.						PRODUCTS.			
Hemlock bark.	Oak bark.	Value of sumac and other materials.	Hides.	Skins.	Total value of all materials.	Sides of leather.	Skins.	Total value of products.	
Tons.	*Tons.*	*Dollars.*	*Number.*	*Number.*	*Dollars.*	*Number.*	*Number.*	*Dollars.*	
1,101,526	353,245	707,465	11,773,171	19,936,658	85,949,207	23,546,342	19,917,653	113,348,336	
11	3,591	.....	44,308	15,073	127,742	88,616	15,073	212,545	1
.....	222	.....	2,450	330	5,797	4,900	330	12,300	2
103	22,066	.....	254,624	1,314,215	2,746,263	509,248	1,314,215	3,738,723	3
.....	.....	6,050	4,100	15,100	38,300	8,200	15,100	55,800	4
472	919	.....	11,950	24,625	107,005	23,900	24,625	146,750	5
.....	130	.....	1,400	195	4,700	2,800	190	7,000	6
.....	30	.....	115	1,561	3,365	230	1,561	4,284	7
14	6,034	.....	74,649	21,325	197,943	149,298	21,325	323,807	8
35	.....	.....	400	475	1,816	800	475	2,612	9
50,762	137	4,700	395,030	1,486,570	4,160,113	790,060	1,483,570	5,402,070	10
1,856	18,633	.....	152,375	57,602	971,201	304,750	57,602	1,266,653	11
.....	108	2,375	2,470	12,025	24,099	4,940	12,025	43,974	12
20	70	.....	980	150	5,175	1,960	150	7,452	13
.....	31,107	.....	211,097	213,840	1,799,047	422,194	213,840	2,511,960	14
.....	270	.....	3,412	13,280	14,984	6,824	13,280	28,470	15
93,406	180	15,735	879,160	2,202,158	5,535,427	1,758,320	2,202,158	7,100,967	16
75	24,733	9,191	137,667	286,250	1,039,586	275,334	286,250	1,468,591	17
107,324	74	408,956	1,625,344	5,724,897	11,320,288	3,250,688	5,724,897	13,556,721	18
21,139	1,205	1,474	184,011	341,793	1,450,559	368,022	331,793	2,029,653	19
1,724	.....	460	16,716	7,046	86,853	33,432	7,046	111,000	20
22	1,650	595	21,020	9,225	66,995	42,040	9,225	106,260	21
1,639	3,190	14,705	41,419	152,313	321,805	82,838	150,313	435,072	22
34,968	.....	1,600	281,490	404,341	1,732,564	562,980	404,341	2,315,616	23
11,332	14,675	60,923	369,667	1,783,647	5,262,747	739,334	1,783,647	6,748,094	24
334,084	6,624	157,901	2,503,855	4,171,290	18,014,683	5,007,710	4,169,690	23,652,366	25
29	6,154	600	83,661	20,750	222,068	167,322	20,750	367,920	26
5,775	42,274	8,050	456,015	434,732	3,247,592	912,030	432,707	4,357,273	27
573	240	.....	8,961	5,916	38,694	17,922	5,916	65,767	28
379,069	122,550	8,500	2,970,680	635,280	19,716,236	5,941,360	635,155	27,042,068	29
7,375	.....	.....	106,777	.....	509,370	213,554	.....	638,000	30
.....	1,605	75	20,967	4,705	47,225	41,934	4,705	73,597	31
15	15,085	.....	159,524	66,909	1,041,605	319,048	66,909	1,504,660	32
.....	825	1,260	10,920	6,016	39,030	21,840	5,791	63,750	33
322	81	50	5,046	4,952	27,331	10,092	4,952	47,267	34
12,264	.....	120	125,232	176,250	838,426	250,464	176,250	1,084,503	35
69	11,662	750	125,438	30,628	706,333	250,876	30,603	1,011,830	36
210	.....	.....	2,400	900	19,260	4,800	900	27,000	37
33	16,987	3,000	150,317	50,713	1,089,620	300,634	50,713	1,451,528	38
36,806	134	395	327,524	239,581	3,367,360	655,048	239,581	4,324,433	39

TABLE LIV.—*Manufactures: Special statistics*

15.—LUMBER, SAWED.

	States and Territories.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Wages paid during the year.	Materials. Value of logs.	Value of mill supplies.	Total value of all materials.
		No.	*Dollars.*				*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
	United States	25,708	181,186,122	141,564	425	5,967	31,845,974	139,836,869	6,318,516	146,155,385
1	Alabama	354	1,545,655	1,611	....	36	424,156	1,517,986	90,649	1,608,635
2	Arizona	13	102,450	77	....	2	33,275	126,486	5,300	131,786
3	Arkansas	319	1,067,840	1,690	....	54	237,394	1,009,954	60,441	1,070,395
4	California	251	6,454,718	3,423	....	11	1,095,736	2,055,635	186,868	2,242,503
5	Colorado	96	481,200	870	....	7	112,931	654,500	45,794	700,294
6	Connecticut	300	657,300	699	....	8	178,336	609,024	32,545	641,569
7	Dakota	39	113,750	286	....	4	54,974	269,235	12,640	281,875
8	Delaware	86	259,250	378	....	13	49,694	229,763	13,612	243,375
9	Dist. of Columbia	1	25,000	25	....	....	6,000	32,000	2,000	34,000
10	Florida	135	2,219,550	1,945	....	85	562,249	1,763,617	103,596	1,867,213
11	Georgia	655	3,101,452	3,298	....	94	554,085	3,049,435	147,720	3,197,155
12	Idaho	48	192,460	169	....	4	33,367	213,691	16,875	230,566
13	Illinois	640	3,295,483	3,652	....	199	787,867	2,959,537	185,368	3,144,905
14	Indiana	2,022	7,048,088	9,926	....	413	1,671,740	9,290,428	336,669	9,627,097
15	Iowa	328	4,946,390	2,526	....	463	825,244	4,023,661	118,224	4,141,885
16	Kansas	146	262,975	507	....	9	66,757	421,738	25,711	447,449
17	Kentucky	670	2,290,558	2,506	1	94	671,939	2,238,888	171,855	2,410,743
18	Louisiana	175	903,950	943	....	33	200,063	1,106,280	80,779	1,187,059
19	Maine	848	6,339,396	6,480	....	183	1,161,142	4,754,613	197,344	4,951,957
20	Maryland	369	1,237,694	1,216	....	23	223,786	1,041,836	64,959	1,106,795
21	Massachusetts	606	2,480,340	1,940	....	30	431,612	1,827,497	76,608	1,904,105
22	Michigan	1,649	39,260,428	22,732	143	1,360	6,967,905	30,819,003	1,432,369	32,251,372
23	Minnesota	234	6,771,145	2,732	22	100	924,473	4,408,468	120,587	4,529,055
24	Mississippi	295	922,595	1,123	....	47	197,837	1,190,902	28,214	1,219,116
25	Missouri	881	2,867,970	3,408	....	95	669,644	3,113,049	102,243	3,215,292
26	Montana	36	208,200	142	....	....	47,945	257,320	20,778	278,098
27	Nebraska	38	93,375	136	....	4	29,313	153,823	11,055	164,878
28	Nevada	9	132,000	35	....	....	9,892	151,790	11,020	162,810
29	New Hampshire	680	3,745,790	3,056	....	48	548,556	2,159,461	113,530	2,272,991
30	New Jersey	284	1,657,395	760	....	8	179,693	942,752	47,227	989,979
31	New Mexico	26	74,675	172	....	....	24,240	100,145	16,910	117,055
32	New York	2,822	13,230,934	11,056	....	389	2,162,972	8,628,874	490,389	9,119,263
33	North Carolina	776	1,743,217	2,938	....	91	447,431	1,490,616	86,523	1,577,139
34	Ohio	2,352	7,944,412	8,769	....	548	1,708,300	8,603,127	292,979	8,896,106
35	Oregon	228	1,577,875	566	....	13	242,154	1,294,703	36,639	1,331,342
36	Pennsylvania	2,827	21,418,588	14,443	8	463	2,918,459	13,378,589	576,841	13,955,430
37	Rhode Island	49	144,250	139	....	13	33,143	116,085	4,803	120,888
38	South Carolina	420	1,056,265	1,431	....	37	221,963	1,170,088	67,273	1,237,361
39	Tennessee	755	2,004,503	3,577	....	141	549,222	2,006,124	136,761	2,142,885
40	Texas	324	1,660,952	3,136	1	49	732,914	1,909,794	186,981	2,096,775
41	Utah	107	272,750	375	....	10	65,175	216,619	21,655	238,274
42	Vermont	688	3,274,250	2,411	....	100	426,953	1,939,775	82,093	2,021,868
43	Virginia	907	2,122,925	3,922	....	89	540,231	1,864,288	119,489	1,983,777
44	Washington	37	2,456,450	495	....	4	200,539	1,174,005	14,070	1,188,075
45	West Virginia	472	1,668,920	2,057	....	126	459,945	1,307,843	67,529	1,375,372
46	Wisconsin	704	19,824,059	7,748	250	467	2,257,218	12,219,097	252,376	12,471,473
47	Wyoming	7	26,700	38	....	....	6,380	24,725	2,625	27,350

for principal industries: 1880—Continued.

15.—LUMBER, SAWED.

PRODUCTS.								
Lumber (board measure).	Laths.	Shingles.	Staves.	Sets of headings.	Spool and bobbin stock (board measure).	Value of all other products.	Total value of all products.	
Feet.	*Number.*	*Number.*	*Number.*	*Number.*	*Feet.*	*Dollars.*	*Dollars.*	
18, 091, 356, 000	1, 761, 788, 000	5, 555, 046, 000	1, 248, 226, 000	146, 523, 000	34, 076, 000	2, 682, 668	233, 268, 729	
251, 851, 000	14, 147, 000	5, 427, 000	2, 357, 000	437, 000	.....	.....	2, 649, 634	1
10, 715, 000	150, 000	1, 760, 000	300, 000	.....	.....	1, 010	215, 918	2
172, 503, 000	6, 527, 000	61, 758, 000	1, 640, 000	350, 000	.....	.....	1, 793, 848	3
304, 795, 000	2, 420, 000	138, 718, 000	2, 063, 000	1, 203, 000	.....	3, 000	4, 428, 950	4
63, 792, 000	4, 925, 000	27, 214, 000	.....	.....	.....	700	1, 051, 295	5
64, 427, 000	1, 719, 000	7, 192, 000	270, 000	12, 000	33, 000	12, 930	1, 076, 455	6
29, 286, 000	564, 000	4, 823, 000	.....	.....	.....	500	435, 792	7
31, 572, 000	317, 000	506, 000	4, 510, 000	550, 000	.....	.....	411, 060	8
4, 000, 000	1, 000, 000	.....	.....	.....	.....	2, 000	50, 000	9
247, 627, 000	20, 101, 000	3, 061, 000	791, 000	110, 000	.....	13, 999	3, 060, 291	10
451, 788, 000	17, 438, 000	25, 332, 000	2, 014, 000	964, 000	4, 000	3, 975	4, 875, 310	11
18, 204, 000	750, 000	4, 235, 000	.....	.....	.....	60, 200	349, 635	12
334, 244, 000	25, 977, 000	15, 306, 000	24, 443, 000	1, 385, 000	30, 000	16, 807	5, 063, 037	13
915, 943, 000	28, 031, 000	26, 634, 000	283, 071, 000	26, 389, 000	1, 957, 000	145, 750	14, 260, 830	14
412, 578, 000	79, 924, 000	128, 100, 000	5, 335, 000	650, 000	.....	38, 343	6, 185, 628	15
45, 281, 000	25, 000	835, 000	.....	.....	150, 000	3, 400	682, 697	16
305, 684, 000	26, 856, 000	25, 253, 000	23, 148, 000	8, 174, 000	383, 000	75, 655	4, 064, 361	17
133, 472, 000	7, 745, 000	30, 195, 000	220, 000	33, 000	.....	15, 470	1, 764, 640	18
566, 656, 000	184, 820, 000	426, 530, 000	62, 376, 000	3, 312, 000	13, 426, 000	182, 618	7, 933, 868	19
123, 336, 000	7, 955, 000	4, 429, 000	16, 227, 000	.....	.....	149, 894	1, 813, 332	20
205, 244, 000	16, 947, 000	19, 667, 000	21, 062, 000	1, 860, 000	572, 000	44, 395	3, 120, 184	21
4, 172, 572, 000	461, 805, 000	2, 584, 717, 000	199, 821, 000	21, 897, 000	6, 038, 000	531, 409	52, 449, 928	22
563, 974, 000	88, 088, 000	194, 566, 000	7, 825, 000	547, 000	.....	21, 100	7, 366, 038	23
168, 747, 000	7, 908, 000	5, 355, 000	69, 000	.....	.....	5, 349	1, 920, 335	24
399, 744, 000	20, 839, 000	8, 832, 000	21, 426, 000	3, 363, 000	.....	7, 097	5, 265, 617	25
21, 420, 000	2, 620, 000	9, 627, 000	.....	.....	.....	1, 900	527, 695	26
13, 585, 000	.....	.....	.....	.....	.....	1, 100	265, 062	27
21, 545, 000	.....	485, 000	.....	.....	.....	.....	243, 200	28
292, 267, 000	49, 454, 000	67, 086, 000	31, 354, 000	3, 491, 000	3, 072, 000	58, 612	3, 842, 012	29
109, 679, 000	8, 948, 000	10, 717, 000	40, 000	155, 000	883, 000	40, 385	1, 627, 640	30
11, 195, 000	107, 000	722, 000	20, 000	.....	.....	.....	173, 930	31
1, 184, 220, 000	79, 399, 000	395, 711, 000	62, 654, 000	22, 136, 000	1, 003, 000	285, 263	14, 356, 910	32
241, 822, 000	13, 340, 000	8, 707, 000	45, 000	571, 000	1, 253, 000	7, 195	2, 672, 796	33
910, 832, 000	50, 625, 000	24, 876, 000	214, 245, 000	25, 779, 000	25, 000	196, 788	13, 864, 460	34
177, 171, 000	18, 245, 000	5, 040, 000	.....	.....	.....	10, 500	2, 030, 463	35
1, 733, 844, 000	183, 740, 000	288, 561, 000	80, 062, 000	10, 401, 000	326, 000	393, 014	22, 457, 359	36
8, 469, 000	10, 000	1, 986, 000	365, 000	.....	3, 700, 000	174	240, 579	37
185, 772, 000	23, 133, 000	10, 036, 000	385, 000	93, 000	.....	41, 700	2, 031, 507	38
302, 673, 000	21, 275, 000	14, 205, 000	4, 342, 000	570, 000	6, 000	72, 998	3, 744, 905	39
328, 968, 000	14, 131, 000	112, 523, 000	.....	140, 000	.....	10, 350	3, 673, 449	40
25, 709, 000	1, 583, 000	9, 293, 000	.....	.....	.....	1, 765	375, 164	41
322, 942, 000	19, 745, 000	55, 711, 000	13, 219, 000	1, 572, 000	415, 000	2, 575	3, 258, 816	42
315, 939, 000	14, 402, 000	8, 223, 000	14, 333, 000	929, 000	800, 000	30, 355	3, 434, 163	43
160, 176, 000	6, 550, 000	3, 610, 000	23, 666, 000	.....	.....	.....	1, 734, 742	44
180, 112, 000	12, 071, 000	3, 685, 000	41, 992, 000	1, 952, 000	.....	40, 195	2, 431, 857	45
1, 542, 021, 000	215, 132, 000	862, 922, 000	82, 545, 000	7, 498, 000	.....	152, 171	17, 952, 347	46
2, 960, 000	300, 000	865, 000	.....	.....	.....	.....	40, 990	47

TABLE LIV.—*Manufactures; Special statistics*

16.—MIXED TEXTILES.

	States.	Establishments.	Capital.	AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	MATERIALS.
				Males above 16 years.	Females above 15 years.	Children and youths.		Chemicals.
	The United States	*No.* 470	*Dollars.* 37,996,057	17,471	20,520	5,382	*Dollars.* 13,316,753	*Dollars.* 1,495,845
1	California	2	9,500	11	14	10	9,700	.....
2	Connecticut	43	3,203,234	1,721	952	275	988,848	135,764
3	Delaware	2	20,000	27	11	4	12,476	290
4	Illinois	3	57,000	36	122	17	39,650	2,000
5	Indiana	5	685,000	208	215	134	209,337	6,780
6	Kentucky	5	615,000	137	210	161	135,948	12,156
7	Maine	15	1,290,380	487	451	133	357,595	47,709
8	Maryland	3	4,900	6	11	5	4,000	.....
9	Massachusetts	69	7,166,800	3,668	3,345	485	2,528,476	409,322
10	New Hampshire	20	1,321,400	653	581	284	494,945	42,904
11	New Jersey	10	1,577,870	521	906	343	526,770	3,720
12	New York	134	7,902,150	3,369	5,722	1,326	3,049,305	180,370
13	Ohio	5	20,200	20	45	10	14,650	.....
14	Pennsylvania	126	11,536,818	5,361	6,971	1,936	4,223,662	542,674
15	Rhode Island	16	1,591,000	817	663	163	488,068	81,636
16	Tennessee	1	35,000	15	8	5	7,500	1,200
17	Vermont	7	776,000	361	253	82	190,775	23,820
18	Virginia	2	83,000	28	17	.....	16,000	3,000
19	Wisconsin	2	100,805	25	23	9	19,048	2,500

for principal industries: 1880—Continued.

16.—MIXED TEXTILES.

MATERIALS—continued.									Total value of all products.	
Textiles.										
Wool.	Cotton yarns.	Silk.	Wood.	Value.	Coal.	Value.	All other materials.	Total value of all materials.		
Dollars.	*Dollars.*	*Dollars.*	*Cords.*	*Dollars.*	*Tons.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
17, 636, 639	10, 571, 606	3, 178, 128	34, 712	108, 655	134, 362	557, 797	3, 679, 071	37, 227, 741	66, 221, 703	
2, 000	1, 500	7, 645	.....	.....	.....	.....	250	11, 395	22, 350	1
2, 002, 140	653, 162	4, 600	7, 664	24, 966	13, 538	74, 792	249, 822	3, 145, 246	5, 919, 505	2
5, 400	8, 600	.....	363	876	20	120	5, 629	20, 915	50, 220	3
67, 520	58, 100	25, 185	50	87	600	1, 150	12, 000	166, 042	227, 600	4
306, 181	94, 234	.....	1, 725	3, 562	3, 785	9, 450	82, 845	503, 052	918, 150	5
343, 273	151, 599	.....	210	425	3, 195	11, 540	60, 183	579, 176	869, 329	6
858, 547	245, 824	.....	4, 981	13, 987	1, 250	6, 850	65, 330	1, 238, 247	1, 909, 937	7
2, 180	800	4, 870	.....	.....	.....	.....	.....	7, 850	20, 240	8
4. 189, 749	1, 607, 095	348, 482	5, 680	18, 464	28, 401	140, 352	857, 421	7, 570, 885	13, 043, 829	9
941, 972	233, 517	25, 054	6, 465	21, 002	1. 752	9, 105	183, 093	1, 456, 647	2, 703, 281	10
88, 302	138, 925	554, 995	20	60	3, 108	9, 645	33, 391	829, 038	1, 906, 680	11
1, 902, 864	2, 300, 994	1, 581, 222	939	2, 588	18, 289	79, 425	888, 095	6, 935, 558	13, 376, 380	12
700	1, 250	1, 165	.....	.....	10	40	25, 165	28, 320	80, 970	13
5, 292, 128	4, 585, 429	624, 910	1, 041	6, 159	53, 239	177, 928	972, 800	12, 202, 028	20, 882, 764	14
892, 252	344, 645	.....	3, 129	10, 179	4, 272	21, 340	170, 047	1, 520, 099	2, 718, 822	15
38, 250	11, 580	.....	750	950	.....	.....	800	52, 780	79, 000	16
626, 200	114, 890	.....	1, 240	4, 225	2, 700	15, 200	61, 575	845, 910	1, 277, 903	17
45, 000	5, 800	.....	450	1, 100	20	60	3, 100	58, 060	108, 500	18
31, 981	13, 662	.....	5	25	183	800	7, 525	56, 493	106, 243	19

TABLE LIV.—*Manufactures: Special statistics*

17.—PAPER, NOT SPECIFIED.

	States and Territories.	Establishments.	Capital.	Average number of hands employed.			Total amount paid in wages during the year.	Materials.	
				Males above 16 years.	Females above 15 years.	Children and youths.		Rags.	Old paper.
		No.	*Dollars.*				*Dollars.*	*Tons.*	*Tons.*
	The United States	692	46, 241, 202	16, 133	7, 640	649	8, 525, 355	187, 917	87, 840
1	California	6	610, 000	156	5	3	87, 622	865	562
2	Colorado	1	25, 000	14	1	5	6, 000	100	40
3	Connecticut	65	3, 168, 931	1, 173	478	51	656, 000	15, 580	10, 810
4	Delaware	4	2, 508, 000	179	67	6	112, 666	4, 405	1, 479
5	District of Columbia	1	35, 000	20	8	....	7, 497	.....	400
6	Georgia	7	255, 000	102	41	7	31, 668	700	81
7	Illinois	23	1, 246, 000	646	82	41	293, 144	1, 667	2, 574
8	Indiana	19	875, 000	291	167	26	166, 628	4, 622	1, 685
9	Iowa	4	305, 000	118	29	5	59, 235	75	104
10	Kansas	1	22, 000	6	3	....	584	20	1
11	Kentucky	2	600, 000	172	113	10	82, 460	3, 266	906
12	Maine	12	1, 995, 000	753	314	....	325, 691	10, 383	1, 960
13	Maryland	25	475, 048	298	121	46	119, 876	1, 842	4, 027
14	Massachusetts	96	11, 722, 046	3, 523	3, 563	62	2, 467, 359	62, 922	14, 910
15	Michigan	21	1, 033, 338	428	132	29	214, 812	6, 568	1, 258
16	Minnesota	2	310, 000	61	22	....	34, 000	1, 300	200
17	Nebraska	1	40, 000	13	.....	3	1, 561	.....	.....
18	New Hampshire	25	1, 197, 000	497	202	3	249, 612	4, 435	3, 156
19	New Jersey	32	1, 830, 500	670	139	33	272, 936	3, 363	5, 154
20	New York	168	6, 859, 565	2, 929	751	134	1, 217, 580	19, 083	15, 709
21	North Carolina	4	129, 500	47	29	4	20, 860	1, 125	10
22	Ohio	60	4, 804, 274	1, 684	527	97	839, 231	20, 012	8, 583
23	Oregon	1	12, 000	18	.....	....	8, 888	116	40
24	Pennsylvania	78	4, 099, 000	1, 481	555	47	752, 151	16, 678	11, 411
25	Tennessee	1	20, 500	5	5	10	3, 250	30	21
26	Utah	1	5, 000	4	2	....	3, 000	120	15
27	Vermont	13	785, 500	283	92	2	189, 889	770	2, 562
28	Virginia	3	170, 000	87	26	2	40, 000	1, 050	100
29	West Virginia	3	160, 000	74	1	3	25, 200	.....	.....
30	Wisconsin	13	943, 000	401	165	20	235, 955	6, 820	82

for principal industries: 1880—Continued.

17.—PAPER, NOT SPECIFIED.

MATERIALS—continued.									
Cotton waste.	Manila stock.	Straw.	Corn stock.	Esparto grass.	Value of all chemicals.	Value of all other materials.	Value of pulp purchased.	Total value of all materials.	
Tons.	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
12,088	84,786	245,838	954	264	3,628,798	7,059,497	1,681,762	33,951,297	
.....	512	4,125	.....	.....	56,085	61,738	6,000	241,015	1
.....	35	300	.....	.....	1,000	1,000	.....	10,350	2
625	9,698	2,304	150	.....	265,387	446,487	125,950	2,761,316	3
75	40	.....	.....	.....	38,482	89,890	231,692	582,154	4
.....	200	.....	.....	.....	3,120	9,400	.....	44,520	5
20	1,051	.....	.....	.....	13,636	5,257	500	149,563	6
40	1,025	42,237	.....	.....	103,395	261,850	29,025	884,688	7
445	541	8,325	.....	.....	108,525	174,410	28,250	741,793	8
.....	5	7,171	.....	.....	5,360	33,670	.....	82,135	9
.....	1	40	.....	.....	150	150	.....	1,450	10
195	280	2,630	.....	.....	68,455	19,000	20,647	363,070	11
822	1,712	100	.....	.....	93,554	355,925	109,126	1,347,569	12
325	2,204	7,577	.....	.....	82,168	183,125	14,350	738,140	13
2,686	13,861	5,312	72	23	640,280	1,970,334	316,881	9,213,221	14
57	359	15,285	.....	.....	106,514	93,376	62,325	730,614	15
.....	200	1,200	.....	.....	15,800	27,350	15,600	118,150	16
.....	.....	250	.....	.....	150	200	.....	2,350	17
1,387	3,372	2,905	.....	.....	104,252	245,635	15,100	1,131,425	18
587	11,393	1,210	.....	1	120,526	173,283	48,666	1,286,182	19
1,402	15,400	76,191	200	240	726,483	1,115,926	266,219	5,579,525	20
6	5	8	.....	.....	9,200	15,200	.....	88,200	21
588	10,554	36,129	514	.....	345,840	558,970	129,937	3,024,068	22
.....	110	200	.....	.....	3,400	6,000	.....	20,360	23
1,324	4,841	15,133	18	.....	518,364	892,541	198,169	3,185,168	24
4	2	6	.....	.....	35	6,125	.....	12,600	25
.....	15	.....	.....	.....	640	350	.....	8,000	26
1,500	4,130	675	.....	.....	65,129	97,302	31,725	556,667	27
.....	250	2,600	.....	.....	22,014	29,300	.....	128,014	28
.....	990	4,400	.....	.....	19,900	15,000	.....	145,900	29
.....	2,000	9,525	.....	.....	90,954	150,703	31,600	773,150	30

TABLE LIV.—*Manufactures: Special statistics*

17.—PAPER, NOT SPECIFIED—Continued.

	States and Territories.	PRODUCTS.			
		Printing paper.	Writing paper.	Wrapping paper.	Binders' board.
	The United States	*Tons.* 149,177	*Tons.* 32,937	*Tons.* 134,294	*Tons.* 20,014
1	California	1,284	.....	2,588	60
2	Colorado	30	.....	285	.....
3	Connecticut	8,213	2,218	6,491	2,562
4	Delaware	6,775	.....	.....	.....
5	District of Columbia	320	.....	160	.....
6	Georgia	441	.....	895	.....
7	Illinois	2,398	.....	18,374	1,400
8	Indiana	5,525	600	2,819	600
9	Iowa	.....	.....	1,695	.....
10	Kansas	1	.....	26	.....
11	Kentucky	3,775	.....	.....	.....
12	Maine	10,619	.....	1,166	.....
13	Maryland	2,977	.....	5,527	270
14	Massachusetts	27,638	24,746	10,255	600
15	Michigan	5,521	.....	4,985	450
16	Minnesota	885	.....	1,000	.....
17	Nebraska	.....	.....	100	.....
18	New Hampshire	5,480	450	2,680	200
19	New Jersey	1,089	511	7,964	4,209
20	New York	23,077	2,780	36,295	2,835
21	North Carolina	360	25	22	5
22	Ohio	13,113	384	19,953	3,296
23	Oregon	100	.....	130	.....
24	Pennsylvania	20,234	1,223	4,799	3,527
25	Tennessee	82	.....	45	.....
26	Utah	60	.....	15	.....
27	Vermont	2,620	.....	.....	.....
28	Virginia	780	.....	.....	.....
29	West Virginia	.....	.....	500	.....
30	Wisconsin	5,780	.....	5,525	.....

for principal industries: 1880—Continued.

17.—PAPER, NOT SPECIFIED—Continued.

PRODUCTS—continued.						
Wall paper.	Colored paper.	Bank-note paper.	Tissue paper.	All other paper.	Total value of all products.	
Tons.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Dollars.*	
14,737	14,756,268	296,000	8,125,957	178,719,831	55,109,914	
10	10,000	.....	.....	300,695	386,197	1
.....	.....	.....	.....	.....	27,300	2
450	2,838,040	.....	1,459,148	10,163,137	4,337,550	3
.....	500,000	.....	50,000	.....	737,905	4
.....	.....	.....	.....	.....	70,400	5
.....	.....	.....	.....	.....	221,572	6
.....	.....	.....	.....	12,168,000	1,679,692	7
.....	80,000	.....	360,000	3,327,228	1,112,660	8
.....	.....	.....	5,000	5,570,000	193,075	9
.....	.....	.....	.....	.....	3,050	10
.....	.....	.....	.....	.....	619,422	11
100	420,000	.....	.....	1,170,000	2,170,321	12
510	.....	.....	.....	.....	1,028,591	13
945	3,706,010	255,000	878,000	27,607,706	15,188,196	14
.....	408,000	31,000	.....	4,331,216	1,204,664	15
.....	.....	.....	.....	600,000	183,900	16
.....	.....	.....	.....	.....	5,000	17
480	1,180,000	.....	470,000	7,604,000	1,731,170	18
524	536,000	.....	955,776	1,887,262	2,015,569	19
8,929	595,381	.....	1,224,137	32,365,518	8,524,279	20
.....	15,000	.....	.....	580,000	145,000	21
.....	2,995,000	.....	8,000	27,619,719	5,108,194	22
.....	.....	.....	.....	160,000	43,100	23
1,101	872,837	10,000	465,896	20,240,850	5,355,912	24
.....	.....	.....	.....	.....	17,975	25
.....	.....	.....	.....	202,500	12,000	26
1,688	.....	.....	1,850,000	6,922,000	1,237,484	27
.....	.....	.....	400,000	3,400,000	261,000	28
.....	.....	.....	.....	5,100,000	211,000	29
.....	600,000	.....	.....	7,400,000	1,277,736	30

TABLE LIV.—*Manufactures: Special statistics*

PETROLEUM (see MINING).

18.—SALT.

	States and Territories.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.	Subterranean brines. Wells.	Average depth of wells.	Average strength of brine (degrees salometer). (a)
		No.	*Dollars.*				*Dollars.*	*No.*	*Feet.*	
	The United States	268	8,225,740	4,125	20	144	1,260,023	546	.....	.....
1	California (b)	25	375,650	188	....	.....	50,620	.....	.....	.....
2	Kansas	1	6,000	2	....	.....	700	1	93	24.0
3	Kentucky	3	20,500	34	....	.....	8,750	3	560	34.0
4	Louisiana (c)	1	250,000	45	....	.....	11,000	.....	.....	.....
5	Massachusetts (b)	5	9,000	8	....	.....	1,030	.....	.....	.....
6	Michigan	86	2,147,209	1,416	....	52	541,852	209	882	92.3
7	Nevada	7	45,300	31	3	2	9,688	150	30	12.0
8	New York	69	2,286,081	962	11	39	274,087	42	322	63.5
9	Ohio	25	832,600	449	2	2	105,261	58	912	36.8
10	Pennsylvania	16	234,500	131	....	6	52,047	19	883	24.9
11	Texas	3	92,000	17	1	1	8,150	1	10	.....
12	Utah	10	13,400	62	3	8	20,932	4	2	82.5
13	Virginia	1	1,000,000	76	....	.....	14,219	2	272	90.0
14	West Virginia	15	910,500	702	....	34	160,227	57	1,042	35.6
15	Wyoming	1	3,000	2	....	.....	1,460	.....	.....	.....

	States and Territories.	By artificial heat—continued. Materials. Coal.	Value.	Wood.	Value.
		Tons.	*Dollars.*	*Cords.*	*Dollars.*
	The United States	453,846	492,959	541,179	423,141
1	California (b)	13	76	125	300
2	Kansas	.....	.....	.....	.....
3	Kentucky	3,760	3,408	.....	.....
4	Louisiana (c)	.....	.....	.....	.....
5	Massachusetts (b)	.....	.....	.....	.....
6	Michigan	.....	.....	524,655	377,939
7	Nevada	.....	.....	.....	.....
8	New York	136,843	240,112	.....	.....
9	Ohio	133,470	112,044	207	293
10	Pennsylvania	55,750	37,141	.....	.....
11	Texas	.....	.....	2,900	6,400
12	Utah	.....	.....	400	480
13	Virginia	.....	.....	12,000	36,000
14	West Virginia	124,010	100,178	162	269
15	Wyoming	.....	.....	730	1,460

a 4° Salometer = 1° Beaumé. *b* Salt made from sea-water. *c* Rock salt mined and ground.

19.—SALT, GROUND.

	States.	Establishments.	Capital.	Average number of hands employed. Males above 16 years.	Females above 15 years.	Children and youths.	Total amount paid in wages during the year.
		No.	*Dollars.*				*Dollars.*
	The United States	8	322,900	149	47	8	44,997
1	California	1	85,000	8	2	2	6,800
2	Maine	2	1,700	4	.....	.....	1,300
3	Michigan	1	7,000	7	7	6	5,000
4	New York	4	229,200	130	38	.....	31,897

for principal industries: 1880—Continued.

PETROLEUM (see MINING).

18.—SALT.

BY ARTIFICIAL HEAT.																			
Machines.																			
Blocks or furnaces.	Kettles.	Aggregate capacity.	Pans.	Aggregate capacity.	Settlers.	Aggregate capacity.	Grainers.	Aggregate capacity.	BY ARTIFICIAL HEAT—c'd.		BY SOLAR EVAPORATION.			PRODUCTS.		
Materials—Continued.											Machines.					
									Value of all other materials.	Total value of all materials.	Vats or ponds.	Aggregate area.	Total value of materials.	Salt.	Total value of all products.	
No.	*Number.*	*Gallons.*	*Number.*	*Gallons.*	*No.*	*Gallons.*	*No.*	*Gallons.*	*Dollars.*	*Dollars.*	*Number.*	*Square feet.*	*Dollars.*	*Bushels.*	*Dollars.*	
308	9,345	1,187,507	1,058	668,207	661	19,736,670	527	5,178,718	1,090,936	2,007,036	47,462	75,253,446	67,013	29,805,298	4,829,566	
2	56	6,750	2	500	.....	.....	.....	.....	40	416	203	17,713,602	19,079	884,743	121,650	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	60,000	710	13,000	5,700	2
3	78	7,600	4	3,040	2	15,484	1	12,791	5,600	9,008	.....	.....	.....	83,000	21,950	3
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	312,000	56,160	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	456	316,420	20	9,575	3,800	5
103	174	21,352	54	231,257	237	6,160,246	355	3,295,527	629,294	1,007,233	3,750	867,180	2,500	12,425,885	2,271,913	6
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	54	543,953	5,800	182,408	92,640	7
134	8,347	1,086,540	.....	.....	269	10,331,931	.....	.....	233,004	473,116	42,939	12,068,796	33,904	8,748,203	1,107,760	8
26	291	22,265	359	150,632	59	1,202,035	59	561,484	90,206	202,543	.....	.....	.....	2,650,301	363,791	9
16	.....	.....	21	66,390	21	450,062	24	174,507	36,906	74,047	.....	.....	.....	851,450	177,415	10
2	59	5,600	.....	.....	2	400	9	500	1,200	7,600	8	16,640	1,500	50,600	29,700	11
2	.....	.....	.....	.....	.....	.....	.....	.....	20	500	18	43,645,075	3,500	483,800	60,280	12
4	340	37,400	.....	.....	.....	.....	.....	.....	3,000	39,000	.....	.....	.....	425,895	127,678	13
16	.....	.....	614	215,588	71	1,576,512	79	1,133,909	91,666	192,113	.....	.....	.....	2,679,438	380,369	14
.....	.....	.....	4	800	.....	.....	.....	.....	.....	1,460	1	21,780	.....	5,000	8,760	15

19.—SALT, GROUND.

MATERIALS.						PRODUCTS.		
Coal.	Value.	Wood.	Value.	Value of all other materials.	Total value of all materials.	Salt.	Value.	
Tons.	*Dollars.*	*Cords.*	*Dollars.*	*Dollars.*	*Dollars.*	*Bushels.*	*Dollars.*	
1,746	5,743	200	500	274,450	280,693	1,044,600	361,656	
.....	.....	.....	.....	40,000	40,000	66,600	60,000	1
.....	.....	.....	.....	2,750	2,750	8,000	4,750	2
500	2,500	200	500	16,000	19,000	50,000	30,000	3
1,246	3,243	.....	.....	215,700	218,943	920,000	266,906	4

TABLE LIV.—*Manufactures: Special statistics*

20.—SHIPBUILDING: A—AGGREGATE.

[See remarks on page 926.]

	States and Territories.	Boats built.	Vessels repaired.	New vessels.	Tonnage of new vessels.	Establishments.	Capital.	Average number of hands employed.	Total amount paid in wages on the vessels in the ship-yard.	PRINCIPAL MATERIALS. Hard pine.	White pine.
		No.	*No.*	*No.*		*No.*	*Dollars.*		*Dollars.*	*Feet.*	*Feet.*
	United States	8,026	16,507	2,415	498,878	2,188	20,979,874	21,345	12,713,813	39,327,372	47,506,048
1	Alabama	.....	.....	.....	.....	1	25,000	25	22,500	30,000	.....
2	Arkansas	.....	.....	3	300	3	2,500	25	3,600	32,000	24,000
3	California	200	.....	21	7,361	62	1,806,923	534	589,564	.....	.....
4	Connecticut	280	840	52	11,473	94	334,300	500	256,849	2,777,000	604,080
5	Delaware	100	.....	55	31,123	18	935,200	1,576	900,322	1,966,500	1,886,500
6	Florida	45	.....	13	217	48	30,750	46	33,580	95,100	.....
7	Georgia	.....	.....	2	539	2	3,000	4	2,250	95,000	8,000
8	Illinois	85	.....	11	1,397	28	457,000	465	247,395	.....	1,234,500
9	Indiana	52	.....	64	26,524	23	194,250	312	211,736	.....	1,569,100
10	Iowa	.....	.....	2	860	1	25,000	75	37,000	.....	160,000
11	Kansas	.....	.....	1	178	1	1,000	11	1,900	.....	30,000
12	Kentucky	25	.....	23	2,130	11	88,450	157	92,171	2,500	1,352,500
13	Louisiana	80	.....	36	1,231	38	152,100	218	113,526	233,100	.....
14	Maine	970	1,687	88	41,396	379	811,750	1,967	838,559	13,882,112	3,064,208
15	Maryland	133	712	131	7,499	166	1,606,535	1,178	657,789	4,596,700	3,430,200
16	Massachusetts	3,765	3,269	39	5,605	276	1,765,450	1,328	804,571	2,197,760	2,065,860
17	Michigan	210	.....	69	15,909	72	476,775	1,537	745,933	.....	2,482,600
18	Minnesota	.....	.....	.....	.....	1	10,000	16	8,000	.....	.....
19	Mississippi	.....	.....	3	33	3	2,500	4	2,860	9,000	.....
20	Missouri	.....	.....	17	3,451	14	247,900	293	196,005	.....	978,000
21	Nebraska	.....	.....	1	52	1	300	9	1,400	.....	15,000
22	New Hampshire	44	8	.....	.....	15	15,330	26	12,243	10,000	39,600
23	New Jersey	134	2,680	53	7,455	93	943,070	930	548,807	1,827,800	1,665,300
24	New York	1,221	6,469	635	76,418	457	3,944,100	4,661	2,907,129	7,652,800	10,461,000
25	North Carolina	.....	.....	8	487	11	15,400	38	19,256	232,000	13,000
26	Ohio	91	.....	55	25,132	54	423,050	773	414,360	40,000	1,937,000
27	Oregon	.....	.....	19	2,162	14	63,300	85	77,150	.....	.....
28	Pennsylvania	318	.....	802	204,507	125	5,797,731	3,298	2,279,629	2,099,300	10,960,800
29	Rhode Island	68	840	17	379	22	227,700	318	194,662	185,000	178,300
30	South Carolina	.....	.....	27	1,615	16	46,300	94	55,990	584,600	10,400
31	Tennessee	.....	.....	1	48	1	500	6	600	8,000	3,000
32	Texas	.....	.....	16	758	16	23,350	43	30,170	278,100	8,300
33	Vermont	.....	.....	5	550	3	20,700	12	4,400	.....	120,400
34	Virginia	48	2	26	514	65	185,960	146	75,526	493,000	30,300
35	Washington	80	.....	14	1,769	11	33,000	62	51,298	.....	.....
36	West Virginia	.....	.....	85	16,727	19	55,000	99	51,510	.....	2,093,000
37	Wisconsin	77	.....	21	3,079	24	208,700	474	223,573	.....	1,081,100

for principal industries: 1880—Continued.

20.—SHIPBUILDING: A—AGGREGATE.

[See remarks on page 926.]

PRINCIPAL MATERIALS—continued.									Total value of all products.	
White oak.	Knees.	Lumber, including other kinds.	Iron.	Yellow metal and brass.	Duck.	Manila rope.	Hemp cordage.	Total value of all materials.		
Feet.	*No.*	*Feet.*	*Pounds.*	*Pounds.*	*Yards.*	*Pounds.*	*Pounds.*	*Dollars.*	*Dollars.*	
69, 701, 360	97, 192	179, 873, 966	125, 701, 922	7, 669, 826	4, 684, 464	1, 996, 163	1, 125, 131	19, 736, 358	36, 800, 327	
.....	.....	30, 000	40, 000	20, 000	.....	.....	.....	25, 000	60, 000	1
115, 000	.....	171, 000	176, 000	3, 100	700	900	.....	21, 700	28, 000	2
196, 000	1, 621	6, 580, 000	2, 092, 656	1, 058, 730	151, 453	73, 840	36, 880	959, 349	1, 797, 639	3
722, 900	3, 320	4, 793, 450	1, 042, 156	60, 800	85, 870	38, 981	41, 142	430, 425	767, 660	4
2, 217, 800	4, 651	6, 411, 800	13, 045, 744	135, 866	65, 602	67, 097	74, 804	964, 275	2, 162, 503	5
38, 800	.....	176, 400	138, 160	800	19, 520	6, 530	200	43, 250	85, 050	6
14, 000	.....	117, 000	90, 000	1, 200	550	750	.....	13, 700	17, 000	7
3, 631, 800	45	5, 137, 300	1, 136, 400	7, 250	761, 350	2, 580	.....	492, 010	892, 093	8
4, 878, 300	.....	7, 046, 400	3, 173, 600	47, 900	28, 800	36, 300	.....	529, 840	810, 655	9
300, 000	.....	460, 000	139, 000	4, 000	1, 600	1, 250	.....	62, 000	112, 000	10
60, 000	.....	90, 000	72, 000	1, 090	400	380	.....	23, 000	26, 000	11
1, 451, 000	.....	3, 291, 000	569, 699	3, 700	2, 250	2, 350	.....	126, 550	249, 015	12
72, 500	40	423, 600	362, 230	5, 100	85, 030	7, 120	680	162, 405	343, 525	13
5, 193, 710	26, 560	25, 866, 651	9, 981, 416	467, 956	601, 298	446, 862	373, 712	1, 935, 857	2, 909, 846	14
2, 376, 500	3, 440	10, 536, 400	3, 299, 358	514, 554	408, 940	118, 920	151, 600	884, 299	1, 788, 630	15
1, 877, 650	8, 750	6, 958, 745	2, 955, 965	1, 044, 611	423, 275	94, 235	125, 000	1, 173, 640	2, 281, 666	16
6, 122, 600	6, 383	8, 636, 200	9, 479, 730	48, 300	147, 776	84, 320	19, 650	1, 089, 985	2, 034, 636	17
.....	.....	.....	.....	.....	.....	.....	.....	2, 500	15, 000	18
8, 000	.....	19, 000	11, 600	.....	610	430	150	1, 950	5, 500	19
2, 165, 500	.....	3, 336, 500	2, 421, 260	8, 000	4, 600	4, 150	.....	313, 392	565, 187	20
23, 000	.....	38, 000	18, 000	400	200	300	.....	7, 000	9, 000	21
16, 400	70	74, 000	19, 300	.....	10, 900	.....	.....	14, 369	30, 070	22
2, 274, 300	5, 620	6, 279, 900	2, 455, 048	211, 958	87, 940	47, 687	58, 316	649, 194	1, 384, 629	23
14, 535, 900	23, 103	35, 905, 020	16, 292, 176	3, 072, 264	811, 130	267, 121	34, 477	4, 055, 637	7, 985, 044	24
25, 000	310	270, 000	124, 400	2, 600	1, 300	1, 560	.....	32, 075	57, 219	25
7, 793, 500	2, 518	10, 166, 500	7, 635, 020	74, 900	157, 750	100, 350	16, 300	985, 960	1, 552, 210	26
12, 500	125	836, 000	420, 700	5, 200	3, 210	8, 500	2, 080	124, 400	206, 500	27
7, 908, 900	6, 055	24, 321, 600	43, 810, 621	763, 487	639, 580	523, 520	162, 400	3, 610, 367	6, 689, 470	28
190, 600	1, 330	726, 900	952, 058	65, 000	4, 100	5, 400	.....	266, 858	517, 041	29
40, 100	436	680, 100	220, 600	900	16, 080	2, 810	.....	55, 250	144, 000	30
18, 000	.....	29, 000	28, 000	300	200	300	.....	4, 100	5, 000	31
167, 100	.....	459, 500	129, 500	14, 750	8, 180	13, 840	18, 590	40, 340	77, 780	32
63, 800	102	184, 200	52, 000	.....	.....	1, 420	.....	9, 200	17, 800	33
190, 600	931	720, 900	183, 125	8, 500	9, 270	7, 240	4, 350	74, 578	181, 024	34
16, 000	147	890, 000	519, 700	7, 000	6, 600	6, 700	3, 800	121, 300	184, 500	35
1, 228, 000	.....	3, 363, 000	389, 300	3, 200	3, 900	6, 400	.....	162, 300	231, 130	36
3, 755, 600	1, 635	4, 848, 200	2, 231, 400	6, 500	134, 500	16, 020	1, 000	268, 303	576, 305	37

TABLE LIV.—*Manufactures: Special statistics*

20.—SHIPBUILDING: B—NEW VESSELS.

	States and Territories.	New vessels.	Tonnage of new vessels.	Establishments.	Capital.	Average number of hands employed.	Total amount paid in wages on the vessels in the ship-yard.	PRINCIPAL MATERIALS. Hard pine.	PRINCIPAL MATERIALS. White pine.
		No.		*No.*	*Dollars.*		*Dollars.*	*Feet.*	*Feet.*
	The United States	2,415	498,878	640	8,777,150	10,039	5,616,071	29,653,232	33,072,968
1	Arkansas	3	300	3	2,500	25	3,600	32,000	24,000
2	California	21	7,361	13	45,050	181	199,485	.....	.....
3	Connecticut	52	11,473	8	34,700	211	106,400	2,445,000	154,080
4	Delaware	55	31,123	12	904,400	1,105	623,997	1,881,500	1,853,500
5	Florida	13	217	13	2,150	9	7,030	38,100	.....
6	Georgia	2	539	2	3,000	4	2,250	95,000	8,000
7	Illinois	11	1,397	8	20,250	50	24,960	.....	212,500
8	Indiana	64	26,524	16	146,450	246	172,186	.....	1,434,100
9	Iowa	2	860	(*a*)	5,000	20	11,000	.....	160,000
10	Kansas	1	178	1	1,000	11	1,900	.....	30,000
11	Kentucky	23	2,130	5	15,300	28	16,721	2,500	512,500
12	Louisiana	36	1,231	27	9,900	34	21,350	223,100	.....
13	Maine	88	41,396	51	433,200	1,390	576,502	13,166,072	2,327,038
14	Maryland	131	7,499	37	100,300	208	96,405	527,200	1,321,200
15	Massachusetts	39	5,605	26	83,200	217	116,560	1,066,760	347,550
16	Michigan	69	15,909	47	178,600	920	431,058	.....	1,577,200
17	Mississippi	3	33	2	1,500	2	1,360	9,000	.....
18	Missouri	17	3,451	10	59,900	168	103,705	.....	278,000
19	Nebraska	1	52	1	300	9	1,400	.....	15,000
20	New Jersey	53	7,455	30	309,000	227	115,488	1,122,500	430,700
21	New York	635	76,418	142	736,250	1,742	884,887	5,892,000	7,833,600
22	North Carolina	8	487	6	4,400	12	5,056	232,000	13,000
23	Ohio	55	25,132	21	214,350	429	232,613	40,000	1,779,000
24	Oregon	19	2,162	12	47,000	64	57,950	.....	.....
25	Pennsylvania	802	204,507	58	5,184,200	2,221	1,525,120	1,919,800	10,071,500
26	Rhode Island	17	379	2	40,500	63	38,000	60,000	79,000
27	South Carolina	27	1,615	9	13,700	54	32,530	469,600	10,400
28	Tennessee	1	48	1	500	6	600	8,000	3,000
29	Texas	16	758	15	18,050	24	15,970	258,100	8,300
30	Vermont	5	550	3	20,700	12	4,400	.....	120,400
31	Virginia	26	514	20	8,500	44	20,180	165,000	16,300
32	Washington	14	1,769	8	24,000	49	37,898	.....	.....
33	West Virginia	85	16,727	18	48,000	87	45,350	.....	2,063,000
34	Wisconsin	21	3,079	13	61,300	167	82,160	.....	390,100

a Included in "Repairing of vessels".

for principal industries: 1880—Continued.

20.—SHIPBUILDING: B—NEW VESSELS.

PRINCIPAL MATERIALS—continued.									Total value of all products.	
White oak.	Knees.	Total quantity of lumber, including other kinds.	Iron.	Yellow metal and brass.	Duck.	Manila rope.	Hemp cordage.	Total value of all materials.		
Feet.	*No.*	*Feet.*	*Pounds.*	*Pounds.*	*Yards.*	*Pounds.*	*Pounds.*	*Dollars.*	*Dollars.*	
52,461,950	69,903	131,234,191	99,296,779	1,294,808	670,704	1,374,618	736,931	11,944,212	19,225,714	
115,000	.....	171,000	176,000	3,100	700	900	.....	21,700	28,000	1
101,000	1,615	3,880,000	1,811,156	51,650	20,653	33,540	16,880	548,618	770,696	2
446,000	1,965	3,467,600	817,676	28,300	17,385	26,331	38,142	276,550	413,009	3
2,029,800	4,101	6,100,800	11,390,744	135,866	46,602	67,097	74,804	758,289	1,614,969	4
34,800	.....	77,900	54,400	800	2,020	2,350	200	17,450	25,000	5
14,000	.....	117,000	90,000	1,200	550	750	.....	13,700	17,000	6
611,800	45	859,300	365,900	7,050	1,350	2,580	.....	100,890	137,300	7
4,578,300	.....	6,611,400	2,971,100	47,900	13,800	36,300	.....	500,290	726,680	8
280,000	.....	440,000	115,000	4,000	1,600	1,250	.....	53,000	70,000	9
60,000	.....	90,000	72,000	1,000	400	380	.....	23,000	26,000	10
261,000	.....	981,000	329,699	3,700	2,250	2,350	.....	62,150	86,215	11
72,000	40	375,100	360,030	4,300	7,130	6,320	680	73,080	105,525	12
4,686,600	21,823	23,295,811	8,806,343	321,202	228,738	413,962	335,512	1,532,346	2,174,650	13
1,581,500	1,690	3,429,900	1,252,448	3,700	25,240	37,660	31,600	201,545	320,260	14
767,150	2,857	2,280,460	1,266,986	19,291	31,345	38,750	43,000	255,361	391,655	15
5,229,600	4,473	6,806,800	8,321,570	46,500	51,996	83,940	19,650	842,115	1,390,050	16
8,000	.....	19,000	11,600	.....	610	430	150	1,450	3,500	17
335,500	.....	628,500	1,871,260	8,000	4,600	4,150	.....	231,392	358,487	18
23,000	.....	38,000	18,000	400	200	300	.....	7,000	9,000	19
1,240,800	3,409	2,862,400	1,568,794	26,185	26,750	42,267	58,316	248,561	409,714	20
10,862,800	16,691	26,431,820	9,919,842	48,681	45,510	150,931	34,477	1,921,523	3,145,536	21
25,000	310	270,000	124,400	2,600	1,300	1,560	.....	14,875	22,650	22
7,415,500	2,248	9,594,500	6,682,800	58,800	35,550	98,730	16,300	821,550	1,127,600	23
12,500	125	836,000	420,700	5,200	3,210	8,500	2,080	114,300	176,600	24
7,372,100	5,240	22,516,000	36,721,231	380,733	60,285	256,040	37,400	2,706,107	4,676,258	25
63,000	990	375,000	448,000	52,000	2,600	3,400	.....	65,500	129,000	26
16,100	436	535,100	163,600	900	3,080	2,810	.....	37,550	92,900	27
18,000	.....	29,000	28,000	300	200	300	.....	4,100	5,000	28
157,100	.....	429,500	113,500	14,750	8,180	13,840	18,590	34,940	55,780	29
63,800	102	184,200	52,000	.....	.....	1,420	.....	9,200	17,800	30
98,200	641	284,000	133,900	.....	6,870	6,360	4,350	31,500	62,050	31
16,000	147	856,000	509,100	7,000	6,600	6,700	3,800	114,100	161,600	32
1,198,000	.....	3,303,000	367,300	3,200	3,900	6,400	.....	159,600	221,230	33
2,668,000	955	3,058,100	1,941,700	6,500	9,500	16,020	1,000	140,880	254,000	34

TABLE LIV.—*Manufactures: Special statistics*

20.—SHIPBUILDING: C—REPAIRING OF VESSELS.

	States and Territories.	Establishments.	Capital.	Average number of hands employed.	Total amount paid in wages on the vessels in the ship-yard.	PRINCIPAL MATERIALS.	
						Hard pine.	White pine.
		No.	*Dollars.*		*Dollars.*	*Feet.*	*Feet.*
	The United States	812	11,882,059	10,671	6,730,136	9,279,340	13,048,370
1	Alabama	1	25,000	25	22,500	30,000	.....
2	California	40	1,754,423	326	368,746	.....	.....
3	Connecticut	22	279,900	255	136,520	330,000	409,000
4	Delaware	5	25,800	465	272,713	85,000	30,000
5	Florida	6	25,700	25	18,600	41,000	.....
6	Illinois	17	435,450	408	218,635	.....	1,010,000
7	Indiana	5	47,000	63	37,950	.....	135,000
8	Iowa	1	20,000	55	26,000	.....	.....
9	Kentucky	5	73,000	127	75,000	.....	840,000
10	Louisiana	9	139,700	173	85,176	.....	.....
11	Maine	100	346,775	520	238,380	716,040	519,870
12	Maryland	70	1,497,125	931	542,529	3,834,000	2,097,000
13	Massachusetts	140	1,586,925	974	610,917	1,130,000	1,048,700
14	Michigan	17	290,700	603	307,943	.....	866,000
15	Minnesota	1	10,000	16	8,000	.....	.....
16	Mississippi	1	1,000	2	1,500	.....	.....
17	Missouri	4	188,000	125	92,300	.....	700,000
18	New Hampshire	7	11,930	22	10,048	10,000	23,000
19	New Jersey	48	621,700	679	419,992	705,300	1,210,100
20	New York	192	3,126,550	2,750	1,908,892	1,758,000	2,431,700
21	North Carolina	5	11,000	26	14,200	.....	.....
22	Ohio	28	202,600	333	174,142	.....	108,000
23	Oregon	2	16,300	21	19,200	.....	.....
24	Pennsylvania	48	599,281	1,044	733,795	178,000	820,000
25	Rhode Island	8	172,000	234	144,927	125,000	77,000
26	South Carolina	7	32,600	40	23,460	115,000	.....
27	Texas	1	5,300	19	14,200	20,000	.....
28	Virginia	13	175,800	89	49,648	202,000	14,000
29	Washington	2	8,000	12	12,400	.....	.....
30	West Virginia	1	7,000	12	6,160	.....	30,000
31	Wisconsin	6	145,500	297	135,663	.....	679,000

for principal industries: 1880—Continued.

20.—SHIPBUILDING: C—REPAIRING OF VESSELS.

PRINCIPAL MATERIALS—continued.									Total value of all products.	
White oak.	Knees.	Total quantity of lumber, including other kinds.	Iron.	Yellow metal and brass.	Duck.	Manila rope.	Hemp cordage.	Total value of all materials.		
Feet.	*No.*	*Feet.*	*Pounds.*	*Pounds.*	*Yards.*	*Pounds.*	*Pounds.*	*Dollars.*	*Dollars.*	
16,505,620	23,527	45,355,100	26,016,654	6,355,383	3,965,105	586,800	388,200	7,422,914	16,697,614	
.....	.....	30,000	40,000	20,000	.....	.....	.....	25,000	60,000	1
89,000	6	2,654,000	277,700	1,007,080	130,000	40,000	20,000	393,992	969,398	2
258,500	1,135	1,233,500	200,800	32,500	56,165	2,000	3,000	136,789	317,451	3
180,000	550	295,000	1,617,000	.....	19,000	.....	.....	195,325	529,097	4
4,000	.....	68,000	66,000	.....	13,000	.....	.....	18,000	44,000	5
3,000,000	.....	4,240,000	763,000	.....	760,000	.....	.....	388,840	745,743	6
300,000	.....	435,000	202,500	.....	15,000	.....	.....	28,050	80,875	7
20,000	.....	20,000	24,000	.....	.....	.....	.....	9,000	42,000	8
1,190,000	.....	2,310,000	240,000	.....	.....	.....	.....	64,300	161,800	9
.....	.....	.....	.....	.....	76,000	.....	.....	84,325	222,400	10
423,520	4,497	2,220,100	1,130,443	146,354	371,740	32,200	38,200	376,917	681,378	11
787,000	1,750	6,832,000	2,041,150	510,374	380,000	80,000	120,000	666,296	1,423,370	12
871,800	3,405	3,539,300	1,620,450	1,024,620	380,300	46,100	82,000	836,478	1,703,284	13
870,000	1,610	1,761,000	1,150,000	1,800	95,000	.....	.....	243,347	631,469	14
.....	.....	.....	.....	.....	.....	.....	.....	2,500	15,000	15
.....	.....	.....	.....	.....	.....	.....	.....	500	2,000	16
1,830,000	.....	2,708,000	550,000	.....	.....	.....	.....	82,000	206,700	17
8,000	50	49,000	6,500	.....	10,900	.....	.....	12,284	25,630	18
1,010,900	2,199	3,331,300	879,204	185,473	60,000	5,000	.....	384,058	940,455	19
3,464,900	6,060	8,822,900	6,255,829	3,007,718	762,000	114,500	.....	2,021,964	4,575,551	20
.....	.....	.....	.....	.....	.....	.....	.....	17,200	34,569	21
361,000	270	497,000	933,000	16,000	120,000	.....	.....	155,760	406,210	22
.....	.....	.....	.....	.....	.....	.....	.....	10,100	29,900	23
505,000	775	1,683,000	7,081,500	381,964	578,000	267,000	125,000	883,895	1,965,324	24
112,000	250	314,000	498,078	13,000	.....	.....	.....	189,183	360,431	25
24,000	.....	145,000	57,000	.....	13,000	.....	.....	17,700	51,100	26
10,000	.....	30,000	16,000	.....	.....	.....	.....	5,400	22,000	27
91,000	290	307,000	47,500	8,500	.....	.....	.....	40,538	109,174	28
.....	.....	18,000	9,000	.....	.....	.....	.....	6,800	21,000	29
30,000	.....	60,000	22,000	.....	.....	.....	.....	2,700	9,900	30
1,065,000	680	1,752,000	288,000	.....	125,000	.....	.....	123,673	310,405	31

TABLE LIV.—*Manufactures: Special statistics*

20.—SHIPBUILDING: D—BOATS.

	States and Territories.	Boats built.	Establishments.	Capital.	Average number of hands employed.	Total amount paid in wages on the vessels in the ship-yard.
		No.	*No.*	*Dollars.*		*Dollars.*
	The United States	8,026	736	320,665	635	367,606
1	California	200	9	7,450	27	21,333
2	Connecticut	230	64	19,700	34	13,929
3	Delaware	100	1	5,000	6	3,612
4	Florida	45	29	2,900	12	7,950
5	Illinois	85	3	1,300	7	3,800
6	Indiana	52	2	800	3	1,600
7	Kentucky	25	1	150	2	450
8	Louisiana	80	2	2,500	11	7,000
9	Maine	970	228	31,775	57	23,677
10	Maryland	133	59	9,110	39	18,855
11	Massachusetts	3,765	110	95,325	137	77,094
12	Michigan	210	8	7,475	14	6,932
13	New Hampshire	44	8	3,400	4	2,195
14	New Jersey	134	15	12,370	24	13,327
15	New York	1,221	123	81,300	169	113,350
16	Ohio	91	5	6,100	11	7,605
17	Pennsylvania	318	19	14,250	33	20,714
18	Rhode Island	68	12	15,200	21	11,735
19	Virginia	48	32	1,660	13	5,698
20	Washington	80	1	1,000	1	1,000
21	Wisconsin	77	5	1,900	10	5,750

for principal industries: 1880—Continued.

20.—SHIPBUILDING: D—BOATS.

PRINCIPAL MATERIALS.										Total value of all products.	
Hard pine.	White pine.	White oak.	Knees.	Total quantity of lumber, including other kinds.	Iron.	Yellow metal and brass.	Duck.	Manila rope.	Total value of all materials.		
Feet.	*Feet.*	*Feet.*	*No.*	*Feet.*	*Pounds.*	*Pounds.*	*Yards.*	*Pounds.*	*Dollars.*	*Dollars.*	
394, 800	1, 384, 710	733, 790	3, 762	3, 284, 675	388, 489	19, 635	48, 655	34, 745	369, 232	876, 999	
.....	.....	6, 000	.....	46, 000	3, 800	.....	800	300	16, 739	57, 545	1
2, 000	41, 000	18, 400	220	92, 350	23, 680	.....	12, 320	10, 650	17, 086	37, 200	2
.....	3, 000	8, 000	.....	16, 000	38, 000	.....	.....	.....	10, 661	18, 437	3
16, 000	.....	.....	.....	30, 500	17, 760	.....	4, 500	4, 180	7, 800	16, 050	4
.....	12, 000	20, 000	.....	38, 000	1, 500	200	.....	.....	2, 280	9, 050	5
.....	.....	.....	.....	.....	.....	.....	.....	.....	1, 500	3, 100	6
.....	.....	.....	.....	.....	.....	.....	.....	.....	100	1, 000	7
10, 000	.....	500	.....	48, 500	2, 200	800	1, 900	800	5, 000	15, 600	8
.....	217, 300	83, 590	240	350, 440	44, 630	400	820	700	26, 594	53, 818	9
235, 500	12, 000	8, 000	.....	274, 500	5, 760	480	3, 700	1, 260	16, 458	45, 000	10
1, 000	669, 610	238, 700	2, 488	1, 138, 985	68, 529	700	11, 630	9, 385	81, 801	186, 727	11
.....	39, 400	23, 000	300	68, 400	8, 160	.....	780	380	4, 523	13. 117	12
.....	16, 600	8, 400	20	25. 000	12, 800	.....	.....	.....	2, 085	4, 440	13
.....	24, 500	22, 600	12	86, 200	7, 050	300	1, 190	420	16, 575	34, 460	14
2, 800	195, 700	208, 200	352	650, 300	116, 505	15, 865	3, 620	1, 690	112, 150	263, 957	15
.....	50, 000	17, 000	.....	75, 000	19, 220	100	2, 200	1, 620	8, 650	18, 400	16
1, 500	69, 300	31, 800	40	122, 600	7, 890	790	1, 295	480	20, 365	47, 888	17
.....	22, 300	15, 600	90	37, 900	5, 980	.....	1, 500	2, 000	12, 175	27, 610	18
126, 000	.....	1, 400	.....	129, 900	1, 725	.....	2, 400	880	2, 540	9, 800	19
.....	.....	.....	.....	16, 000	1, 600	.....	.....	.....	400	1, 900	20
.....	12, 000	22, 600	.....	38, 100	1, 700	.....	.....	.....	3, 750	11, 900	21

TABLE LIV.—*Manufactures: Special statistics*

20.—SHIPBUILDING: E—OCEAN, COAST, AND RIVER VESSELS.

	States and Territories.	Boats.	New vessels.	Tonnage of new vessels.	Establishments.	Capital.	Average number of hands employed.	Total amount paid in wages on the vessels in the ship-yard.	PRINCIPAL MATERIALS. Hard pine.	White pine.
		No.	*No.*		*No.*	*Dollars.*		*Dollars.*	*Feet.*	*Feet.*
	The United States	7,240	731	159,325	1,645	16,806,599	14,284	9,092,538	38,501,272	16,434,348
1	Alabama	.....	.....	.....	1	25,000	25	22,500	30,000	.....
2	California	200	21	7,361	62	1,806,923	534	589,564	.....	.....
3	Connecticut	280	52	11,473	94	334,300	500	256,849	2,777,000	604,080
4	Delaware	100	55	31,122	18	935,200	1,576	900,322	1,966,500	1,886,500
5	Florida	45	13	217	48	50,750	46	33,580	95,100	.....
6	Georgia	.....	2	539	2	3,000	4	2,250	95,000	8,000
7	Louisiana	80	28	864	31	147,900	203	102,626	134,100	.....
8	Maine	970	88	41,396	379	811,750	1,967	838,559	13,882,112	3,064,208
9	Maryland	133	71	3,229	159	1,587,538	1,163	624,539	4,593,700	2,175,200
10	Massachusetts	3,765	39	5,605	276	1,765,450	1,328	804,571	2,197,760	2,065,860
11	Mississippi	.....	3	33	3	2,500	4	2,860	9,000	.....
12	New Hampshire	44	.....	.....	15	15,330	26	12,243	10,000	39,600
13	New Jersey	134	43	6,445	74	821,170	787	469,762	1,776,800	1,421,600
14	New York	1,061	159	22,574	275	2,601,850	2,821	2,041,988	7,145,200	2,748,500
15	North Carolina	.....	8	487	11	15,400	38	19,256	232,000	13,000
16	Oregon	.....	19	2,162	14	63,300	85	77,150	.....	.....
17	Pennsylvania	232	33	20,962	55	5,324,231	2,588	1,890,673	2,091,300	2,180,500
18	Rhode Island	68	17	379	22	227,700	318	194,662	185,000	178,300
19	South Carolina	.....	27	1,615	16	46,300	94	55,990	584,600	10,400
20	Texas	.....	16	758	16	23,350	43	30,170	278,100	8,300
21	Virginia	48	23	334	63	184,660	132	71,126	418,000	30,300
22	Washington	80	14	1,769	11	33,000	62	51,298	.....	.....

for principal industries: 1880—Continued.

20.—SHIPBUILDING: E—OCEAN, COAST, AND RIVER VESSELS.

PRINCIPAL MATERIALS—continued.										
White oak.	Knees.	Total lumber, including other kinds.	Iron.	Yellow metal and brass.	Duck.	Manila rope.	Hemp cordage.	Total value of all materials.	Total value of all products.	
Feet.	*No.*	*Feet.*	*Pounds.*	*Pounds.*	*Yards.*	*Pounds.*	*Pounds.*	*Dollars.*	*Dollars.*	
19, 999, 260	75, 093	91, 580, 066	85, 876, 577	7, 403, 526	3, 184, 138	1, 402, 242	1, 083, 434	13, 011, 784	25, 149, 750	
.....	.....	30, 000	40, 000	20, 000	.....	.....	.....	25, 000	60, 000	1
106, 000	1, 621	6, 580, 000	2, 092, 656	1, 058, 730	151, 453	73, 840	36, 880	959, 349	1, 797, 639	2
722, 900	3, 320	4, 793, 456	1, 042, 156	60, 800	85, 870	38, 981	41, 142	430, 425	767, 660	3
2, 217, 800	4, 651	6, 411, 800	13, 045, 744	135, 866	65, 602	67, 097	74, 804	964, 275	2, 162, 503	4
38, 800	.....	176, 400	138, 160	800	19, 520	6, 530	200	43, 250	85, 050	5
14, 000	.....	117, 000	90, 000	1, 200	559	750	.....	13, 700	17, 000	6
39, 500	40	240, 600	102, 230	1, 400	83, 630	4, 870	680	115, 905	279, 525	7
5, 193, 710	26, 560	25, 866, 351	9, 981, 416	467, 956	601, 298	446, 862	373, 712	1, 935, 857	2, 909, 846	8
1, 454, 500	3, 422	8, 356, 400	2, 644, 358	514, 354	408, 940	106, 340	151, 600	814, 799	1, 674, 130	9
1, 877, 650	8, 750	6, 958, 745	2, 955, 965	1, 044, 611	423, 275	94, 235	125, 009	1, 173, 640	2, 281, 666	10
8, 000	.....	19, 000	11, 600	.....	610	430	150	1, 950	5, 500	11
16, 400	70	74, 000	19, 300	.....	10, 900	.....	.....	14, 369	30, 070	12
1, 938, 400	5, 165	5, 649, 300	2, 319, 483	203, 958	87, 940	46, 737	58, 316	583, 264	1, 214, 829	13
4, 547, 300	14, 765	16, 022, 420	9, 334, 277	3, 064, 014	595, 170	166, 290	29, 730	2, 700, 146	5, 441, 588	14
25, 000	310	270, 000	124, 400	2, 600	1, 300	1, 560	.....	32, 075	57, 219	15
12, 500	125	836, 000	420, 700	5, 200	3, 210	8, 500	2, 080	124, 400	206, 500	16
1, 092, 400	3, 450	5, 776, 200	39, 533, 149	725, 887	600, 640	303, 830	162, 400	2, 524, 654	5, 063, 680	17
190, 600	1, 330	726, 900	952, 058	65, 000	4, 100	5, 400	.....	266, 858	517, 041	18
40, 100	436	680, 100	220, 600	900	16, 080	2, 810	.....	55, 250	144, 000	19
167, 100	.....	459, 500	129, 500	14, 750	8, 180	13, 840	18, 590	40, 340	77, 780	20
190, 600	931	645, 900	159, 125	8, 500	9, 270	6, 640	4, 350	70, 978	172, 024	21
16, 000	147	890, 000	519, 700	7, 000	6, 600	6, 700	3, 800	121, 300	184, 500	22

TABLE LIV.—*Manufactures: Special Statistics*

20.—SHIPBUILDING: F—NORTHERN LAKES.

	States.	Boats.	New vessels.	Tonnage of new vessels.	Establishments.	Capital.	Average number of hands employed.	Total amount paid in wages on the vessels in the ship-yard.	PRINCIPAL MATERIALS. Hard pine.	White pine.
		No.	*No.*		*No.*	*Dollars.*		*Dollars.*	*Feet.*	*Feet.*
	The United States	629	142	30,752	199	1,865,325	3,352	1,664,917	3,000	5,951,300
1	Illinois	85	2	50	19	352,300	339	176,975	.....	458,500
2	Michigan	210	69	15,909	72	476,775	1,537	745,933	.....	2,482,600
3	New York	160	35	3,957	59	592,500	629	321,081	3,000	1,421,600
4	Ohio	91	18	8,057	26	246,050	439	231,905	.....	585,000
5	Pennsylvania	6	.....	.....	1	10,000	8	4,200	.....	2,500
6	Wisconsin	77	18	2,779	22	187,700	400	184,823	.....	1,001,100

20.—SHIPBUILDING: G—WESTERN RIVERS.

	The United States	157	899	242,094	155	1,227,500	1,996	1,183,072	181,500	16,008,600
1	Arkansas	.....	3	300	3	2,500	25	3,600	32,000	24,000
2	Illinois	.....	8	1,259	7	102,000	118	65,720	.....	766,000
3	Indiana	52	64	26,524	23	194,250	312	211,736	.....	1,569,100
4	Iowa	.....	2	860	1	25,000	75	37,000	.....	160,000
5	Kansas	.....	1	178	1	1,000	11	1,900	.....	30,000
6	Kentucky	25	23	2,130	11	83,450	157	92,171	2,500	1,352,500
7	Louisiana	.....	8	367	7	4,200	15	10,900	99,000	.....
8	Minnesota	.....	.....	.....	1	10,000	16	8,000	.....	.....
9	Missouri	.....	17	3,451	14	247,900	293	196,005	.....	978,000
10	Nebraska	.....	1	52	1	300	9	1,400	.....	15,000
11	Ohio	.....	36	17,064	14	155,000	266	153,420	40,000	1,346,000
12	Pennsylvania	80	647	172,834	50	320,400	520	310,360	.....	7,592,000
13	Tennessee	.....	1	48	1	500	6	600	8,000	3,000
14	West Virginia	.....	85	16,727	19	55,000	99	51,510	.....	2,093,000
15	Wisconsin	.....	3	300	2	21,000	74	38,750	.....	80,000

20.—SHIPBUILDING: H—CANAL-BOATS.

	The United States	.....	643	66,707	189	1,080,450	1,713	773,286	641,600	9,111,800
1	Illinois	.....	1	88	2	2,700	8	4,700	.....	10,000
2	Maryland	.....	60	4,270	7	19,000	75	33,250	3,000	1,255,000
3	New Jersey	.....	10	1,010	19	121,900	143	79,045	51,000	243,700
4	New York	.....	441	49,887	123	749,750	1,211	544,060	504,600	6,290,900
5	Ohio	.....	1	11	14	22,000	68	29,035	.....	6,000
6	Pennsylvania	.....	122	10,711	19	143,100	182	74,396	8,000	1,185,800
7	Vermont	.....	5	550	3	20,700	12	4,400	.....	120,400
8	Virginia	.....	3	180	2	1,300	14	4,400	75,000	.....

20.—SHIPBUILDING: I—IRON VESSELS.

	The United States	.....	67	31,347	16	7,497,000	4,262	2,732,599	2,254,000	3,353,000
1	Delaware	.....	22	8,925	2	800,000	1,252	753,953	723,000	1,264,000
2	Maryland	.....	1	55	2	1,000,000	223	134,000	.....	5,000
3	Massachusetts	.....	.....	.....	2	500,000	60	35,500	.....	.....
4	Michigan	.....	3	1,533	1	100,000	240	155,600	.....	285,000
5	Missouri	.....	7	2,740	1	30,000	120	78,412	.....	122,000
6	New Jersey	.....	4	382	1	200,000	72	43,600	3,000	34,000
7	New York	.....	6	679	2	62,000	77	46,000	.....	56,000
8	Pennsylvania	.....	24	17,033	5	4,805,000	2,218	1,485,534	1,528,000	1,587,000

For principal industries: 1880—Continued.

20.—SHIPBUILDING: F—NORTHERN LAKES.

PRINCIPAL MATERIALS—continued.										
White oak.	Knees.	Total quantity of lumber, including other kinds.	Iron.	Yellow metal and brass.	Duck.	Manila rope.	Hemp cordage.	Total value of all materials.	Total value of all products.	
Feet.	*No.*	*Feet.*	*Pounds.*	*Pounds.*	*Yards.*	*Pounds.*	*Pounds.*	*Dollars.*	*Dollars.*	
18,967,700	13,733	25,172,600	19,175,755	86,000	1,398,176	155,956	41,697	2,642,455	4,870,645	
1,777,300	27	2,241,800	506,500	650	760,000	150	.....	356,220	650,833	1
6,122,600	6,383	8,636,200	9,479,730	48,300	147,776	84,320	19,650	1,089,985	2,034,636	2
3,145,500	3,186	4,764,200	2,906,825	8,250	215,960	16,746	4,747	455,307	848,321	3
4,365,500	2,502	4,958,500	4,211,020	23,800	140,600	39,470	16,300	476,400	796,650	4
1,200	.....	3,700	280	.....	540	150	.....	3,600	9,500	5
3,555,600	1,635	4,568,200	2,071,400	5,000	133,300	15,120	1,000	260,943	530,705	6

20.—SHIPBUILDING: G—WESTERN RIVERS.

20,619,000	.....	41,684,100	15,141,519	170,950	102,150	322,310	.....	2,856,745	4,450,587	
115,000	.....	171,000	176,000	3,100	700	900	.....	21,700	28,000	1
1,830,500	.....	2,861,500	622,400	6,400	1,350	2,430	.....	133,190	232,960	2
4,878,300	.....	7,046,400	3,173,600	47,900	28,800	36,300	.....	529,840	810,655	3
300,000	.....	460,000	139,000	4,000	1,600	1,250	.....	62,000	112,000	4
60,000	.....	90,000	72,000	1,000	400	380	.....	23,000	26,000	5
1,451,000	.....	3,291,000	569,699	3,700	2,250	2,350	.....	126,550	249,015	6
33,000	.....	183,000	260,000	3,700	1,400	2,250	.....	46,500	64,000	7
.....	.....	.....	.....	.....	.....	.....	.....	2,500	15,000	8
2,165,500	.....	3,336,500	2,421,260	8,000	4,600	4,150	.....	313,392	565,187	9
23,000	.....	38,000	18,000	400	200	300	.....	7,000	9,000	10
3,408,000	.....	5,182,000	3,419,600	51,100	17,150	60,700	.....	494,200	761,700	11
4,908,700	.....	15,352,700	3,692,660	36,650	38,400	203,700	.....	923,113	1,355,340	12
18,000	.....	29,000	28,000	300	200	300	.....	4,100	5,000	13
1,228,000	.....	3,363,000	389,200	3,200	3,900	6,400	.....	162,300	231,130	14
200,000	.....	280,000	160,000	1,500	1,200	900	.....	7,360	45,600	15

20.—SHIPBUILDING: H—CANAL-BOATS.

10,115,400	8,366	21,437,200	5,508,071	9,350	.....	115,655	.....	1,225,374	2,329,345	
24,000	18	34,000	1,500	200	.....	.....	.....	2,600	8,300	1
922,000	18	2,180,000	655,000	200	.....	12,580	.....	69,500	114,500	2
335,900	455	630,600	135,565	8,000	.....	950	.....	65,930	169,800	3
6,843,100	5,152	15,118,400	4,051,074	.....	.....	84,085	.....	900,184	1,695,135	4
20,000	16	26,000	4,400	.....	.....	180	.....	15,360	53,860	5
1,906,600	2,605	3,189,000	584,532	950	.....	15,840	.....	159,000	260,950	6
63,800	102	184,200	52,000	.....	.....	1,420	.....	9,200	17,800	7
.....	.....	75,000	24,000	.....	.....	600	.....	3,600	9,000	8

20.—SHIPBUILDING: I—IRON VESSELS.

639,100	.....	6,663,100	54,326,737	501,332	47,000	51,450	31,400	2,851,073	6,394,838	
207,000	.....	2,425,000	11,981,186	118,945	17,800	15,700	8,000	602,435	1,703,345	1
1,000	.....	6,000	468,000	400	.....	250	.....	28,000	177,500	2
.....	.....	.....	196,000	.....	.....	.....	.....	35,000	80,000	3
40,000	.....	325,000	4,562,000	16,000	2,400	1,500	.....	187,000	387,500	4
41,500	.....	163,500	1,585,000	4,000	2,500	1,500	.....	153,000	241,000	5
2,000	.....	39,000	1,220,000	15,600	800	1,800	.....	39,200	104,875	6
17,000	.....	76,000	875,000	5,000	1,100	900	.....	55,000	116,000	7
330,600	.....	3,628,600	33,499,551	341,387	22,400	29,800	23,400	1,661,438	3,584,618	8

TABLE LIV.—*Manufactures: Special statistics*

21.—SILK AND SILK GOODS.

	States.	Establishments.	CAPITAL. Total.	CAPITAL. Value of buildings.	CAPITAL. Value of machinery.	LOOMS. Hand. On broad goods.	LOOMS. Hand. On narrow goods.	LOOMS. Power. On broad goods.	LOOMS. Power. On narrow goods.
		No.	*Dollars.*	*Dollars.*	*Dollars.*	*No.*	*No.*	*No.*	*No.*
	The United States	382	19,125,300	3,836,600	5,227,500	1,629	1,524	3,103	2,218
1	California	5	164,300	16,400	62,000	.....	24	.....	.....
2	Connecticut	28	4,436,500	746,000	1,247,550	2	10	448	155
3	Illinois	5	82,000	25,000	30,000	.....	51	.....	13
4	Kansas	1	9,500	2,500	1,000	.....	.....	.....	.....
5	Maine	1	30,000	3,000	9,000	.....	.....	.....	.....
6	Maryland	4	20,900	3,500	10,000	.....	39	.....	.....
7	Massachusetts	22	1,306,900	194,100	303,950	62	91	.....	88
8	Missouri	1	4,000	500	1,000	.....	2	.....	.....
9	New Hampshire	1	8,000	1,000	2,000	.....	.....	.....	.....
10	New Jersey	106	6,952,325	984,100	2,290,000	1,444	153	2,017	939
11	New York	151	4,696,775	1,433,000	966,000	85	906	543	552
12	Ohio	6	24,700	4,000	12,000	.....	22	.....	.....
13	Pennsylvania	49	1,379,900	422,000	287,000	36	226	95	471
14	Rhode Island	1	7,500	1,000	5,000	.....	.....	.....	.....
15	Vermont	1	2,000	500	1,000	.....	.....	.....	.....

	States.	MATERIALS. Raw silk and silk materials.	MATERIALS. Other textile materials.	MATERIALS. Dyestuffs, chemicals, and oils.	MATERIALS. Fuel.	MATERIALS. All other materials.	MATERIALS. Gross value of materials. (a)
		Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
	The United States	19,208,683	1,400,480	828,314	173,283	856,941	22,467,701
1	California	66,418	3,500	3,552	2,355	5,170	80,995
2	Connecticut	3,025,325	12,000	115,040	41,693	117,148	3,311,206
3	Illinois	73,820	9,500	.....	.....	42,575	125,895
4	Kansas	150	.....	.....	.....	.....	150
5	Maine	59,290	.....	620	235	1,250	61,395
6	Maryland	11,630	2,980	1,150	.....	.....	15,760
7	Massachusetts	1,730,870	161,815	64,725	15,775	17,330	1,990,515
8	Missouri	580	.....	.....	.....	50	630
9	New Hampshire	11,000	.....	300	225	100	11,625
10	New Jersey	8,664,835	83,400	482,472	78,548	369,281	9,678,536
11	New York	4,333,485	730,530	109,430	24,167	134,192	5,331,804
12	Ohio	14,845	2,075	.....	.....	2,575	19,495
13	Pennsylvania	1,207,795	394,680	50,975	10,265	167,270	1,830,985
14	Rhode Island	7,500	.....	.....	.....	.....	7,500
15	Vermont	1,140	.....	50	20	.....	1,210

a Silk material is "twice included" when, for instance, it appears first as "raw silk" in the return of a throwster, and secondly as "thrown silk" or "fringe silk", being again reported as raw materia in the return of a weaver or fringe maker. The number of pounds of raw silk accounted for in th returns is 2,690,482, which agrees very fairly with the import of the fiscal year, 2,562,236, the stock o hand being somewhat lighter at the close than at the beginning of the year.

b Silk products twice included are deducted from the gross production, leaving a result which it wil be noticed exactly agrees with the value of finished goods as given by the returns. The reasons fo this deduction are similar to those which apply to the values of raw materials. While the total pr duction, as represented by reports amounting to $41,033,045, covers only a real value of product amoun

for principal industries: 1880—Continued.

21.—SILK AND SILK GOODS.

SPINDLES.			AVERAGE NUMBER OF HANDS EMPLOYED.			Total amount paid in wages during the year.	
Winding, cleaning, and doubling.	Spinning and twisting.	Braiding.	Males above 16 years.	Females above 15 years.	Children and youths.		
Number. 164, 218	*Number.* 262, 312	*Number.* 81, 607	9, 375	16, 396	5, 566	*Dollars.* 9, 146, 705	
200	150	754	20	106	25	41, 400	1
35, 353	53, 472	....	785	1, 990	653	1, 026, 530	2
....	....	....	67	135	57	72, 195	3
....	....	....	1	....	1	250	4
728	512	....	9	46	5	10, 190	5
....	....	....	12	56	14	11, 000	6
13, 514	16, 936	11, 000	353	1, 285	188	521, 725	7
736	680	....	3	2	....	750	8
350	300	....	2	5	1	2, 500	9
76, 037	134, 746	33, 429	4, 606	5, 360	2, 493	4, 177, 745	10
27, 707	39, 564	22, 784	2, 405	5, 459	1, 769	2, 590, 025	11
....	....	....	21	73	41	12, 550	12
9, 497	15, 744	6, 864	1, 000	1, 870	319	678, 120	13
....	....	6, 776	1	7	....	1, 600	14
96	208	....	....	2	....	125	15

MATERIALS—cont'd.		PRODUCTS.							
Silk material twice included in foregoing column. (*a*)	Net value of all materials.	Sewing and twist.	Broad goods and handkerchiefs.	Ribbons and laces.	Trimmings and small goods.	Value of silk products twice included in following column. (*b*)	Gross value of manufactured products. (*b*)	Net value of manufactured products, *i. e.*, finished goods.	
Dollars. , 898, 535	*Dollars.* 18, 569, 166	*Pounds.* 821, 528	*Yards.* 10, 856, 284	*Yards.* 30, 129, 951	*Pounds.* 710, 149	*Dollars.* 6, 513, 322	*Dollars.* 41, 033, 045	*Dollars.* 34, 519, 723	
14, 595	66, 400	9, 500	....	....	4, 650	28, 470	159, 175	130, 705	1
295, 190	3, 016, 016	394, 981	2, 253, 070	8, 541, 235	695	442, 925	5, 881, 000	5, 438, 075	2
....	125, 895	....	....	....	12, 220	....	244, 150	244, 150	3
....	150	....	....	3, 600	....	....	540	540	4
25, 000	36, 395	4, 225	....	....	....	50, 485	81, 585	31, 100	5
....	15, 760	....	....	....	1, 784	....	35, 415	35, 415	6
121, 000	1, 869, 515	273, 816	99, 120	573, 320	39, 789	273, 167	3, 764, 260	3, 491, 093	7
....	630	....	....	....	65	....	2, 500	2, 500	8
2, 750	8, 875	1, 300	....	....	300	6, 300	15, 000	8, 700	9
, 502, 400	7, 176, 136.	25, 580	6, 975, 655	8, 794, 100	50, 405	4, 271, 185	17, 122, 230	12, 851, 045	10
533, 600	4, 798, 204	88, 765	1, 427, 439	10, 302, 696	403, 330	802, 115	10, 170, 140	9, 368, 025	11
....	19, 495	....	....	....	2, 187	....	53, 110	53, 110	12
404, 000	1, 426, 985	23, 110	101, 000	1, 915, 000	192, 824	638, 675	3, 491, 840	2, 853, 165	13
....	7, 500	....	....	....	1, 900	....	10, 000	10, 000	14
....	1, 210	251	....	....	....	....	2, 100	2, 100	15

ıg to $34,519,723, it should be noted that the products of partial manufacture go for the most part to e finished in counties and often in states other than those where they originate. Hence in many cases ıe gross production of a county or state more nearly represents its industry than would the value of s finished goods. For instance, the gross production of Passaic county, New Jersey, $14,164,465, is ıuch nearer the total value of its industry than $10,003,905, the value of its completed goods, because ıe greater part of the thrown and fringe silk produced in Paterson, New Jersey, is not made into oods there, but goes elsewhere, chiefly to New York city; and the same is true, to a great extent, of ıe added value from spooling, winding, dyeing, and refinishing; those processes being largely applied ı New Jersey to goods belonging in other states.

TABLE LIV.—*Manufactures: Special statistics*

22.—SLAUGHTERING AND MEAT-PACKING.

[NOTE.—The statistics of retail slaughtering establishments are not included in this statement.]

	States.	Establishments.	Capital.	Average number of hands employed.		Total amount paid in wages during the year.	Materials.		
				Males above 16 years.	Children and youths.		Total beeves slaughtered.	Average gross weight of beeves.	Total value of beeves slaughtered.
		No.	*Dollars.*			*Dollars.*	*Number.*	*Pounds.*	*Dollars.*
	The United States	872	49,419,213	26,113	1,184	10,508,530	1,755,533	*a* 1,100	71,333,182
1	Arkansas	2	4,500	10	.....	3,800	2,500	900	46,000
2	California	51	2,130,200	467	20	341,488	111,668	1,061	2,966,270
3	Colorado	14	166,000	82	5	51,190	21,018	991	675,390
4	Connecticut	12	304,000	418	5	206,959	11,293	1,136	633,088
5	Delaware	2	160,000	26	.....	11,200	.....	.....	.....
6	Georgia	9	25,700	35	6	9,473	4,304	889	122,916
7	Illinois	143	12,019,980	10,217	731	4,077,617	595,274	990	18,391,769
8	Indiana	25	3,974,060	1,790	25	494,622	59,190	1,202	3,546,250
9	Iowa	38	1,955,500	1,488	44	530,188	4,885	1,104	161,419
10	Kansas	14	1,669,400	1,017	53	263,600	11,958	1,004	332,490
11	Kentucky	31	2,229,500	389	8	150,576	3,727	970	109,815
12	Louisiana	1	500,000	18	.....	13,830	38,000	1,000	1,140,000
13	Maine	6	194,500	83	.....	34,300	8,400	957	620,000
14	Maryland	9	865,000	228	.....	100,000	.....	.....	.....
15	Massachusetts	77	2,904,440	1,258	5	653,149	133,484	1,196	8,012,553
16	Michigan	12	573,000	162	10	89,527	5,442	911	179,985
17	Minnesota	12	230,000	92	4	41,700	6,265	1,113	231,720
18	Missouri	65	2,327,500	1,743	103	657,918	37,627	923	855,407
19	Nebraska	12	330,700	189	2	64,717	6,252	1,081	177,420
20	New Jersey	31	1,775,200	572	10	374,278	70,521	1,252	4,486,992
21	New York	128	4,543,625	1,688	22	1,020,790	437,743	1,271	21,213,703
22	Ohio	93	5,487,682	1,950	74	633,044	40,373	1,014	1,303,505
23	Oregon	9	56,800	37	.....	17,120	5,809	1,196	126,102
24	Pennsylvania	35	2,938,625	531	21	242,077	70,616	1,316	3,454,020
25	Rhode Island	9	598,000	178	7	97,362	29,000	1,200	1,480,000
26	Tennessee	6	105,000	227	.....	47,600	12,335	965	443,100
27	Texas	3	202,200	132	.....	49,800	16,688	819	213,600
28	Virginia	4	89,000	53	.....	13,750	1,100	1,000	39,000
29	West Virginia	6	100,161	30	.....	13,050	800	938	27,000
30	Wisconsin	13	959,000	1,003	29	203,805	9,261	1,074	343,668

a The average is based upon the omission in computation of—
55,199 beeves in Illinois, bought dressed, the average weight of which was 500 pounds.
3,733 beeves in New York, bought dressed, the average weight of which was 600 pounds.
25,186 beeves in Pennsylvania, bought dressed, the average weight of which was 600 pounds.
And—
131,059 calves in New York, the average weight of which was 139 pounds.
3,120 calves in Pennsylvania, the average weight of which was 200 pounds.

for principal industries: 1880—Continued.

22.—SLAUGHTERING AND MEAT-PACKING.

[NOTE.—The statistics of retail slaughtering establishments are not included in this statement.]

MATERIALS—continued.									
Total sheep slaughtered.	Average gross weight of sheep.	Total value of sheep slaughtered.	Total hogs slaughtered.	Average gross weight of hogs.	Total value of hogs slaughtered.	Total hogs bought dressed.	Average gross weight of hogs.	Total value of hogs bought dressed.	
Number.	*Pounds.*	*Dollars.*	*Number.*	*Pounds.*	*Dollars.*	*Number.*	*Pounds.*	*Dollars.*	
2, 233, 701	92	8, 957, 727	16, 098, 428	248	158, 680, 844	1, 748, 979	209	17, 767, 152	
1, 300	100	6, 000	1, 600	223	7, 200	.....	.....	.....	1
414, 185	90	1, 009, 946	235, 777	211	1, 805, 482	14, 400	188	141, 250	2
37, 166	104	107, 415	9, 590	340	106, 410	.....	.....	.....	3
21, 667	86	107, 470	247, 480	266	2, 799, 642	40, 045	180	481, 500	4
.....	.....	.....	11, 511	284	164, 368	.....	.....	.....	5
5, 530	72	11, 627	13, 252	256	132, 248	.....	.....	.....	6
47, 783	94	196, 010	5, 745, 263	259	58, 231, 953	259, 207	234	2, 859, 746	7
5, 200	67	18, 200	963, 482	247	9, 493, 621	.....	.....	.....	8
4, 137	102	13, 980	972, 965	262	8, 959, 921	2, 735	178	34, 267	9
5, 023	97	16, 405	384, 502	256	3, 495, 566	6, 786	162	40, 800	10
14, 050	91	41, 240	348, 416	256	3, 387, 467	.....	.....	.....	11
22, 000	100	55, 000	22, 000	225	165, 000	.....	.....	.....	12
500	80	2, 000	19, 030	283	351, 440	1, 650	200	19, 800	13
.....	.....	.....	346, 590	217	3, 104, 587	.....	.....	.....	14
358, 689	94	1, 653, 249	761, 827	290	10, 524, 853	9, 200	215	135, 000	15
2, 039	91	6, 353	137, 087	251	1, 375, 346	3, 311	250	38, 000	16
9, 300	93	37, 031	10, 160	306	123, 850	24, 000	219	281, 000	17
10, 011	94	33, 128	1, 138, 068	247	10, 003, 184	136, 064	215	978, 298	18
10, 859	95	34, 410	86, 142	280	850, 213	.....	.....	.....	19
324, 750	84	1, 193, 460	1, 426, 560	198	12, 354, 848	115, 088	163	1, 168, 352	20
766, 141	93	3, 664, 355	913, 245	202	8, 539, 980	718, 630	160	6, 061, 509	21
12, 318	96	48, 080	1, 434, 179	246	13, 484, 758	143, 250	213	1, 644, 049	22
9, 840	115	18, 540	5, 225	281	49, 450	.....	.....	.....	23
117, 940	93	555, 740	152, 266	272	1, 796, 731	196, 608	201	2, 763, 881	24
12, 500	100	62, 500	116, 096	299	1, 604, 089	11, 835	200	160, 000	25
14, 890	92	46, 110	56, 770	277	500, 582	.....	.....	.....	26
300	90	700	375	112	1, 020	.....	.....	.....	27
.....	.....	.....	16, 700	215	123, 600	50, 000	200	780, 000	28
800	80	1, 600	25, 691	213	228, 900	.....	.....	.....	29
4, 783	92	17, 178	496, 579	243	4, 914, 535	16, 170	176	179, 700	30

TABLE LIV.—*Manufactures: Special statistics*

22.—SLAUGHTERING AND MEAT-PACKING—Continued.

	States.	MATERIALS—continued.			PRODUCTS.	
		Value of all animals.	Value of all other materials used, including cooperage.	Total value of all materials.	Beef sold fresh.	Beef canned.
	The United States...	*Dollars.* 256,738,905	*Dollars.* 10,999,997	*Dollars.* 267,738,902	*Pounds.* 759,142,875	*Pounds.* 101,371,199
1	Arkansas	59,200	1,975	61,175	1,560,000	.....
2	California	5,922,948	226,675	6,149,623	54,530,967	120,000
3	Colorado	889,215	36,850	926,065	10,371,750	50,000
4	Connecticut	4,021,700	167,451	4,189,151	7,623,997	.....
5	Delaware	164,368	15,000	179,368	.....	.....
6	Georgia	266,791	2,286	269,077	1,881,900	.....
7	Illinois	79,679,478	4,970,240	84,649,718	144,379,073	91,227,699
8	Indiana	13,058,071	587,856	13,645,927	35,159,000	.....
9	Iowa	9,169,587	827,258	9,996,845	2,649,125	.....
10	Kansas	3,885,261	435,541	4,320,802	3,368,430	1,500,000
11	Kentucky	3,538,522	105,537	3,644,059	1,553,400	.....
12	Louisiana	1,360,000	15,000	1,375,000	19,000,000	.....
13	Maine	993,240	15,365	1,008,605	5,230,000	.....
14	Maryland	3,104,587	59,215	3,163,802	.....	.....
15	Massachusetts	20,325,655	331,675	20,657,330	90,025,843	.....
16	Michigan	1,599,684	112,795	1,712,479	2,528,620	.....
17	Minnesota	673,601	42,552	716,153	3,374,387	.....
18	Missouri	11,870,017	482,890	12,352,907	12,930,495	1,713,500
19	Nebraska	1,062,043	35,796	1,097,839	3,717,267	.....
20	New Jersey	19,203,652	145,783	19,349,435	48,766,546	70,000
21	New York	39,479,547	670,303	40,149,850	227,119,576	600,000
22	Ohio	16,480,392	693,054	17,173,446	18,579,810	.....
23	Oregon	194,092	11,425	205,517	3,206,667	.....
24	Pennsylvania	8,570,372	284,406	8,854,778	30,367,367	100,000
25	Rhode Island	3,306,589	143,227	3,449,816	19,460,000	.....
26	Tennessee	989,792	29,900	1,019,692	5,819,500	.....
27	Texas	215,320	64,900	280,220	1,036,600	5,990,000
28	Virginia	942,600	25,300	967,900	550,000	.....
29	West Virginia	257,500	16,340	273,840	313,475	.....
30	Wisconsin	5,455,081	443,402	5,898,483	4,039,080	.....

for principal industries: 1880—Continued.

22.—SLAUGHTERING AND MEAT-PACKING—Continued.

PRODUCTS—continued.								
Beef salted or canned.	Mutton sold fresh.	Pork sold fresh.	Pork salted.	Bacon and hams.	Lard.	Value of all other products.	Total value of all products.	
Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Dollars.*	*Dollars.*	
90, 763, 466	106, 692, 216	506, 077, 052	859, 045, 987	1, 122, 742, 816	501, 471, 698	16, 926, 091	303, 562, 413	
.....	66, 000	64, 000	79, 000	56, 000	32, 000	24, 000	85, 680	1
7, 272, 610	18, 719, 399	12, 296, 236	9, 654, 136	9, 970, 414	4, 388, 650	1, 056, 475	7, 953, 914	2
146, 800	1, 922, 840	1, 517, 808	150, 500	116, 550	344, 650	73, 076	1, 082, 690	3
100, 000	952, 211	6, 387, 199	5, 000, 022	29, 595, 794	9, 386, 500	146, 816	4, 669, 540	4
.....	.....	820, 000	810, 000	196, 124	354, 710	.....	198, 000	5
130, 000	198, 575	1, 200, 000	718, 000	250, 000	128, 900	20, 146	309, 093	6
44, 568, 911	2, 265, 592	80, 861, 497	305, 732, 979	474, 019, 462	190, 066, 782	4, 448, 272	97, 891, 517	7
405, 000	174, 000	16, 610, 477	65, 507, 850	55, 232, 896	21, 605, 686	466, 144	15, 209, 204	8
214, 190	227, 585	10, 639, 668	80, 783, 733	47, 718, 586	32, 016, 432	148, 938	11, 285, 032	9
2, 052, 720	241, 400	2, 728, 784	12, 816, 865	38, 288, 268	11, 813, 600	88, 265	5, 618, 714	10
300, 000	639, 800	2, 663, 854	25, 530, 124	22, 850, 399	8, 073, 226	133, 043	4, 538, 888	11
.....	1, 100, 000	3, 300, 000	.....	.....	.....	.....	1, 500, 000	12
204, 000	20, 000	551, 000	1, 594, 000	728, 000	1, 015, 000	.....	1, 093, 687	13
.....	.....	1, 307, 800	16, 394, 600	23, 058, 900	9, 069, 270	28, 898	3, 377, 605	14
5, 837, 010	16, 671, 475	26, 353, 773	32, 254, 443	64, 916, 381	30, 659, 086	1, 841, 316	22, 951, 782	15
463, 700	97, 250	2, 806, 500	10, 911, 061	5, 967, 238	3, 786, 489	30, 275	2, 065, 634	16
542, 013	451, 750	1, 862, 219	2, 842, 500	1, 762, 400	975, 700	54, 685	887, 532	17
754, 740	491, 200	34, 025, 358	70, 333, 664	86, 633, 027	32, 331, 978	316, 618	14, 628, 630	18
46, 000	537, 849	1, 531, 850	7, 263, 443	4, 818, 974	2, 916, 475	42, 923	1, 359, 397	19
675, 000	13, 682, 600	133, 121, 449	7, 014, 013	37, 358, 506	28, 176, 387	693, 024	20, 719, 640	20
5, 328, 000	39, 844, 255	104, 604, 132	50, 582, 822	52, 851, 799	25, 098, 979	5, 049, 014	43, 096, 138	21
3, 809, 134	657, 510	39, 565, 995	102, 610, 612	74, 507, 202	48, 985, 283	502, 369	19, 231, 297	22
710, 750	558, 000	158, 750	192, 000	561, 250	68, 600	20, 940	264, 712	23
15, 554, 068	5, 560, 000	2, 068, 250	19, 481, 120	30, 526, 795	15, 571, 443	707, 228	9, 908, 545	24
100, 000	625, 000	7, 018, 264	6, 511, 260	6, 531, 250	5, 554, 800	339, 716	3, 876, 740	25
180, 000	681, 375	3, 542, 144	3, 545, 553	747, 500	1, 479, 275	156, 277	1, 376, 476	26
72, 000	13, 000	5, 700	1, 000	14, 000	6, 450	158, 000	486, 400	27
.....	.....	1, 382, 000	6, 610, 000	2, 700, 000	1, 700, 000	4, 900	1, 054, 500	28
175, 000	32, 000	507, 865	1, 253, 129	1, 317, 220	513, 275	11, 000	307, 500	29
1, 121, 820	261, 550	6, 574, 480	12, 867, 558	49, 447, 881	15, 352, 072	363, 733	6, 533, 926	30

TABLE LIV.—*Manufactures: Special statistics*

23.—WOOLEN GOODS.

	States and Territories.	Establishments.	Capital.	Average number of hands employed.			Total number of employés.	Wages and salaries of all employed during the year.
				Males above 16 years.	Females above 15 years.	Children and youths.		
		No.	*Dollars.*					*Dollars.*
	The United States	1,990	96,095,564	46,978	29,372	10,154	86,504	25,836,392
1	Alabama	14	28,900	13	5	.....	18	3,037
2	Arkansas	25	85,550	62	21	7	90	13,226
3	California	9	1,676,500	708	108	19	835	334,318
4	Connecticut	78	7,907,452	4,319	1,949	688	6,956	2,342,935
5	Delaware	5	352,559	171	59	31	261	108,504
6	Georgia	32	180,733	72	45	25	142	25,070
7	Illinois	53	1,327,553	527	365	150	1,042	296,225
8	Indiana	81	2,273,705	846	587	308	1,741	462,681
9	Iowa	34	553,500	307	132	60	499	117,792
10	Kansas	5	131,925	66	40	18	124	25,825
11	Kentucky	98	890,750	353	253	217	823	166,189
12	Maine	93	3,876,028	1,716	1,109	270	3,095	1,044,606
13	Maryland	14	333,760	171	100	42	313	59,491
14	Massachusetts	167	24,680,782	13,146	8,210	2,265	23,621	7,457,115
15	Michigan	39	558,800	203	114	30	347	76,240
16	Minnesota	13	190,500	106	73	50	229	46,108
17	Mississippi	8	331,500	111	61	46	218	53,100
18	Missouri	98	726,150	412	144	133	689	109,877
19	New Hampshire	58	4,510,271	2,288	1,361	378	4,027	1,181,738
20	New Jersey	27	2,530,125	1,827	997	539	3,363	996,384
21	New York	159	8,266,878	3,311	2,128	691	6,130	1,774,143
22	North Carolina	49	203,100	120	50	15	185	23,195
23	Ohio	122	1,316,340	722	413	189	1,324	256,214
24	Oregon	10	566,800	166	33	17	216	86,088
25	Pennsylvania	324	18,780,604	8,391	6,809	2,489	17,689	5,254,328
26	Rhode Island	50	8,448,700	4,312	2,648	1,161	8,121	2,480,907
27	South Carolina	11	7,900	13	.....	.....	13	1,173
28	Tennessee	106	418,664	249	111	42	402	67,063
29	Texas	1	97,500	28	8	.....	36	25,700
30	Utah	11	382,000	150	79	48	277	68,108
31	Vermont	44	2,320,161	1,171	783	130	2,084	544,138
32	Virginia	48	456,750	251	95	19	365	71,720
33	Washington	1	40,000	18	8	3	29	4,000
34	West Virginia	55	293,170	226	96	31	353	44,161
35	Wisconsin	48	1,349,954	426	378	43	847	214,993

for principal industries: 1880—Continued.

23.—WOOLEN GOODS.

MACHINES.						LOOMS.								
Sets of cards.	Daily capacity of same, in pounds of scoured wool.	Combing machines of foreign manufacture.	Daily capacity of same, in pounds of scoured wool.	Combing machines of American manufacture.	Daily capacity of same, in pounds of scoured wool.	Broad looms on woolen goods.	Broad looms on worsted goods.	Narrow looms on woolen goods.	Narrow looms on worsted goods.	Hand looms.	Brussels power looms.	Ingrain power looms.	Knitting looms.	
No. 5,961	*Pounds.* 764,006	*No.* 48	*Pounds.* 13,500	*No.* 24	*Lbs.* 6,175	*No.* 15,046	*No.* 629	*No.* 17,579	*No.* 1,767	*No.* 528	*No.* 2	*No.* 49	*No.* 34	
15	1,200	.....	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	.....	1
29	2,860	.....	.....	.....	.....	7	.....	34	.....	.....	.....	.....	.....	2
60	7,240	.....	.....	.....	.....	201	.....	26	.....	3	.....	.....	.....	3
435	59,055	.....	.....	.....	.....	1,384	50	1,228	.....	.....	.....	.....	.....	4
13	1,700	.....	.....	.....	.....	26	.....	99	.....	1	.....	.....	.....	5
42	3,713	.....	.....	.....	.....	.....	.....	88	.....	.....	.....	.....	.....	6
106	10,678	.....	.....	.....	.....	181	.....	193	.....	.....	.....	.....	.....	7
160	18,445	.....	.....	1	75	150	.....	660	.....	4	.....	.....	.....	8
56	4,420	.....	.....	.....	.....	51	.....	108	.....	7	.....	.....	.....	9
9	892	.....	.....	.....	.....	24	.....	15	.....	2	.....	.....	.....	10
154	14,737	.....	.....	.....	.....	15	.....	493	.....	5	.....	.....	.....	11
261	30,530	.....	.....	.....	.....	1,045	.....	58	.....	.....	.....	.....	.....	12
30	2,870	.....	.....	.....	.....	20	.....	91	.....	13	.....	.....	.....	13
1,356	175,859	20	6,600	20	5,500	5,202	162	2,377	1,765	.....	.....	.....	.....	14
51	4,680	.....	.....	.....	.....	41	.....	126	.....	.....	.....	.....	.....	15
21	2,236	.....	.....	.....	.....	46	.....	13	.....	.....	.....	.....	.....	16
15	1,635	.....	.....	.....	.....	5	.....	116	.....	.....	.....	.....	.....	17
126	13,275	.....	.....	.....	.....	42	.....	149	.....	2	.....	.....	.....	18
293	37,304	.....	.....	.....	.....	1,186	.....	320	.....	28	.....	.....	.....	19
136	27,065	.....	.....	.....	.....	609	.....	444	.....	98	.....	.....	.....	20
483	50,735	2	600	3	600	1,158	68	591	2	39	.....	26	.....	21
57	5,320	.....	.....	.....	.....	7	.....	23	.....	.....	.....	.....	.....	22
182	14,000	.....	.....	.....	.....	126	.....	412	.....	34	.....	.....	.....	23
21	2,225	.....	.....	.....	.....	53	.....	3	.....	.....	.....	.....	.....	24
938	172,468	10	4,300	.....	.....	1,485	88	7,895	.....	265	2	22	34	25
432	54,028	16	2,000	.....	.....	1,100	261	1,313	.....	.....	.....	.....	.....	26
11	790	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29
98	8,450	.....	.....	.....	.....	17	.....	150	.....	.....	.....	.....	.....	28
2	250	.....	.....	.....	.....	10	.....	2	.....	.....	.....	.....	.....	29
21	1,560	.....	.....	.....	.....	22	.....	91	.....	1	.....	.....	.....	30
145	16,798	.....	.....	.....	.....	583	.....	163	.....	.....	.....	.....	.....	31
54	5,035	.....	.....	.....	.....	69	.....	73	.....	11	.....	1	.....	32
2	250	.....	.....	.....	.....	8	.....	4	.....	.....	.....	.....	.....	33
72	5,313	.....	.....	.....	.....	30	.....	134	.....	15	.....	.....	.....	34
75	6,390	.....	.....	.....	.....	143	.....	77	.....	.....	.....	.....	.....	35

TABLE LIV.—*Manufactures: Special statistics*

23.—WOOLEN GOODS—Continued.

	States and Territories.	KNITTING AND SEWING MACHINES.		SPINDLES.		MATERIALS.	
		Knitting machines.	Sewing machines.	Woolen spindles.	Worsted spindles.	Foreign wool in condition, purchased during the year.	Domestic wool in condition, purchased during the year.
		No.	*No.*	*Number.*	*No.*	*Pounds.*	*Pounds.*
	The United States	379	348	1,720,820	35,926	20,482,667	177,042,288
1	Alabama			160			135,366
2	Arkansas	1		1,360			189,000
3	California	138	16	18,740		20,000	3.554,850
4	Connecticut	8	11	152,004		2,069,609	14,370,716
5	Delaware			4,306		203,206	633,677
6	Georgia			2,224			366,274
7	Illinois	2		20,992			3,003,740
8	Indiana	22	1	36,886		10,000	4,350,456
9	Iowa	12		11,025			1,407,510
10	Kansas	4		2,636			364,000
11	Kentucky	3	2	14,110			1,688,663
12	Maine	1	22	68,192		1,040,498	7,907,848
13	Maryland			6,580			794,050
14	Massachusetts	7	110	461,776	11,696	7,391,993	48,748,041
15	Michigan	15		10,688			869,025
16	Minnesota	1	7	3,852		20,000	537,580
17	Mississippi		2	3,734			494,033
18	Missouri	15	2	12,622			1,811,635
19	New Hampshire	24	49	126,671		838,875	10,980,301
20	New Jersey	2	14	31,719		269,761	5,394,377
21	New York	2	36	141,020	1,968	1,003,324	11,068,899
22	North Carolina	1	2	2,374		80,000	496,145
23	Ohio	55	7	33,950		165,000	2,380,424
24	Oregon	9	2	4,248			985,250
25	Pennsylvania	45	54	295,625	7,142	5,005,271	28,556,097
26	Rhode Island	2	4	160,524	15,120	2,198,726	17,151,957
27	South Carolina						48,950
28	Tennessee			6,860			883,338
29	Texas			600			175,000
30	Utah		2	5,422			566,900
31	Vermont		1	46,264		161,404	3,441,787
32	Virginia			8,486		5,000	857,812
33	Washington			400			160,000
34	West Virginia	10		8,081			602,393
35	Wisconsin		4	16,689			2,066,188

for principal industries: 1880—Continued.

23.—WOOLEN GOODS—Continued.

MATERIALS—continued.										
Scoured wool (not including waste purchased and shoddy) consumed during the year.	Value at mill of foreign and domestic wool consumed.	Camel's hair and noils consumed.	Value.	Mohair and noils consumed.	Value.	Buffalo hair and noils consumed.	Value.	Hair of other animals consumed.	Value.	
Pounds.	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	
109, 724, 213	67, 380, 250	1, 234, 064	332, 419	84, 080	50, 837	556, 601	25, 284	3, 940, 923	212, 762	
112, 866	46, 246	.....	.....	.....	.....	.....	.....	.....	.....	1
174, 000	70, 050	.....	.....	.....	.....	.....	.....	.....	.....	2
1, 384, 750	748, 750	5, 000	2, 000	.....	.....	20, 000	600	.....	.....	3
8, 501, 546	6, 383, 081	30, 017	13, 654	.....	.....	.....	.....	32, 700	2, 770	4
488, 278	291, 138	20, 084	11, 822	.....	.....	.....	.....	.....	.....	5
310, 074	129, 990	.....	.....	.....	.....	.....	.....	.....	.....	6
1. 888, 989	1, 143, 210	.....	.....	.....	.....	.....	.....	.....	.....	7
2, 904, 856	1, 381, 545	.....	.....	.....	.....	.....	.....	.....	.....	8
801, 360	384, 829	.....	.....	.....	.....	.....	.....	.....	.....	9
188, 000	89, 720	.....	.....	.....	.....	.....	.....	.....	.....	10
1, 230, 075	562, 662	.....	.....	.....	.....	.....	.....	.....	.....	11
5, 026, 144	3, 113, 028	3, 500	1, 600	17, 304	5, 191	5, 161	338	371, 742	33, 484	12
505, 650	270, 652	.....	.....	.....	.....	.....	.....	250	20	13
28, 034, 931	18, 968, 327	678, 706	148, 251	29, 279	14, 266	966	81	273, 140	18, 610	14
556, 617	307, 703	.....	.....	.....	.....	.....	.....	.....	.....	15
350, 000	131, 695	.....	.....	.....	.....	.....	.....	.....	.....	16
313, 881	157, 612	.....	.....	.....	.....	.....	.....	.....	.....	17
1, 327, 100	589, 080	.....	.....	.....	.....	.....	.....	.....	.....	18
5, 638, 583	3, 690, 522	1, 500	300	32, 297	29, 220	.....	.....	.....	.....	19
3, 262, 450	2, 008, 063	24, 749	11, 175	.....	.....	.....	.....	110, 000	3, 700	20
7, 035, 683	4, 634, 876	140, 695	59, 308	4, 700	1, 410	40, 300	2, 748	836, 065	43, 237	21
466, 424	216, 650	.....	.....	.....	.....	.....	.....	.....	.....	22
1, 680, 473	845, 992	.....	.....	.....	.....	.....	.....	75, 000	11, 250	23
472, 200	197, 785	.....	.....	.....	.....	.....	.....	.....	.....	24
22, 011, 974	11, 099, 912	163, 476	30, 917	.....	.....	487, 520	21, 152	2, 241. 526	99, 591	25
9, 520, 553	6, 886, 833	160, 337	52, 039	500	750	556	67	.....	.....	26
46, 950	19, 120	.....	.....	.....	.....	.....	.....	.....	.....	27
805, 836	330, 761	.....	.....	.....	.....	.....	.....	.....	.....	28
70, 000	37, 500	.....	.....	.....	.....	.....	.....	.....	.....	29
313, 000	120, 715	.....	.....	.....	.....	.....	.....	.....	.....	30
1, 719, 580	1, 170, 939	5, 500	1, 203	.....	.....	2, 098	298	.....	.....	31
649, 175	326, 602	.....	.....	.....	.....	.....	.....	500	100	32
100, 000	40, 000	.....	.....	.....	.....	.....	.....	.....	.....	33
509, 403	213, 019	.....	.....	.....	.....	.....	.....	.....	.....	34
1, 322, 812	771, 643	500	150	.....	.....	.....	.....	.....	.....	35

TABLE LIV.—*Manufactures: Special statistics*

23.—WOOLEN GOODS—Continued.

	States and Territories.	MATERIALS—continued.					
		Cotton used on cards.	Value.	Shoddy used, or waste not including that made in mill.	Value.	Cotton warp used on woolen goods.	Value.
		Pounds.	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*
	The United States	24,744,964	3,395,569	46,583,983	7,014,100	17,550,212	4,374,985
1	Alabama	.....	.....	.....	.....	10,000	2,000
2	Arkansas	8,400	820	300	45	22,200	7,835
3	California	218,526	31,222	94,150	12,310	9,500	2,950
4	Connecticut	1,516,515	209,199	6,385,103	1,013,757	1,423,992	403,995
5	Delaware	30,100	3,620	346,778	77,915	25,000	5,000
6	Georgia	27,918	2,278	.....	.....	106,500	24,950
7	Illinois	39,341	4,851	83,007	24,697	75,190	25,763
8	Indiana	294,629	37,121	346,656	76,421	537,147	101,410
9	Iowa	100	25	865	154	18,497	4,844
10	Kansas	10,000	1,100	2,000	300	13,200	3,225
11	Kentucky	288,263	32,820	117,151	32,430	379,181	124,996
12	Maine	569,331	84,447	1,153,144	296,792	995,131	240,564
13	Maryland	6,000	700	255,200	46,200	11,589	2,418
14	Massachusetts	4,776,690	505,731	11,197,285	1,975,556	3,144,565	809,995
15	Michigan	2,100	369	37,163	13,766	3,117	747
16	Minnesota	.....	.....	18,000	5,400	6,365	2,006
17	Mississippi	72,148	7,811	.....	.....	133,748	32,150
18	Missouri	4,100	418	4,000	894	111,127	28,180
19	New Hampshire	833,104	97,150	3,105,890	339,360	831,410	222,478
20	New Jersey	557,106	51,894	2,375,856	361,968	655,396	146,499
21	New York	1,439,289	176,649	1,556,767	252,673	523,497	53,411
22	North Carolina	.....	.....	12,444	1,804	118,464	25,639
23	Ohio	108,000	15,190	134,063	37,588	162,824	44,651
24	Oregon	5,000	1,000	1,000	400	1,000	500
25	Pennsylvania	11,691,450	1,846,156	14,926,242	1,538,070	6,522,579	1,575,747
26	Rhode Island	1,809,078	228,268	1,959,782	437,679	1,135,061	316,385
27	South Carolina	.....	.....	.....	.....	.....	.....
28	Tennessee	44,000	4,440	55,433	18,315	136,416	37,982
29	Texas	.....	.....	.....	.....	.....	.....
30	Utah	2,300	496	1,000	140	29,397	7,368
31	Vermont	310,261	38,958	2,286,150	416,324	330,209	97,055
32	Virginia	57,000	8,784	60,500	14,230	47,170	10,972
33	Washington	.....	.....	.....	.....	.....	.....
34	West Virginia	3,000	480	33,819	8,931	1,000	400
35	Wisconsin	21,215	3,572	35,235	9,981	29,740	12,870

for principal industries: 1880—Continued.

23.—WOOLEN GOODS—Continued.

MATERIALS—continued.									
Cotton warp used on worsted goods.	Value.	Woolen yarn used, not made in mill.	Value.	Worsted yarn used, not made in mill.	Value.	Value of chemicals and dyestuffs.	Cords of wood.	Value.	
Pounds.	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*	*Number.*	*Dollars.*	
3, 517, 580	897, 211	1, 485, 999	872, 023	2, 495, 050	3, 139, 746	4, 758, 498	142, 250	371, 236	
.....	.....	.....	.....	.....	.....	500	110	115	1
.....	.....	.....	.....	.....	.....	2, 830	1, 195	1, 965	2
.....	.....	.....	.....	.....	.....	72, 975	2, 312	11, 273	3
.....	.....	.....	.....	714, 860	947, 245	457, 656	15, 721	50, 619	4
.....	.....	.....	.....	3, 026	4, 270	13, 139	360	864	5
.....	.....	.....	.....	.....	.....	3, 100	800	1, 350	6
.....	.....	.....	.....	.....	.....	59, 329	3, 049	5, 952	7
.....	.....	10, 000	5, 250	.....	.....	60, 442	5, 855	12, 464	8
.....	.....	.....	.....	.....	.....	23, 677	1, 349	3, 766	9
.....	.....	.....	.....	.....	.....	9, 480	330	1, 280	10
.....	.....	.....	.....	.....	.....	15, 736	6, 343	4, 439	11
.....	.....	200	200	.....	.....	237, 701	15, 531	41, 854	12
.....	.....	.....	.....	.....	.....	15, 455	242	610	13
1, 424, 371	375, 763	182, 461	130, 083	526, 272	686, 421	1, 737, 744	20, 523	60, 007	14
93	24	.....	.....	.....	.....	14, 823	3, 931	6, 246	15
.....	.....	.....	.....	.....	.....	5, 195	1, 055	2, 202	16
.....	.....	.....	.....	.....	.....	8, 660	2, 202	3, 015	17
.....	.....	.....	.....	.....	.....	22, 800	4, 097	8, 325	18
.....	.....	.....	.....	21, 220	21, 387	200, 470	16, 178	49, 028	19
.....	.....	33, 000	32, 100	70, 000	89, 000	180, 165	351	817	20
.....	.....	39, 422	16, 101	102, 575	179, 403	299, 482	4, 331	9, 528	21
.....	.....	.....	.....	.....	.....	3, 639	1, 035	1, 873	22
.....	.....	.....	.....	.....	.....	52, 704	4, 425	8, 805	23
.....	.....	.....	.....	.....	.....	19, 426	1, 515	3, 675	24
2, 092, 116	521, 124	1, 155, 916	636, 289	964, 043	1, 094, 330	717, 715	2, 384	4, 576	25
1, 000	300	65, 000	52, 000	92, 445	117, 100	354, 331	10, 373	35, 093	26
.....	.....	.....	.....	.....	.....	.....	300	300	27
.....	.....	.....	.....	.....	.....	11, 904	3, 279	5, 436	28
.....	.....	.....	.....	.....	.....	2, 475	653	1, 960	29
.....	.....	.....	.....	.....	.....	8, 206	388	2, 371	30
.....	.....	.....	.....	609	590	75, 192	4, 897	15, 369	31
.....	.....	.....	.....	.....	.....	11, 366	1, 456	3, 351	32
.....	.....	.....	.....	.....	.....	5, 500	100	350	33
.....	.....	.....	.....	.....	.....	13, 628	750	1, 276	34
.....	.....	.....	.....	.....	.....	41, 053	4, 830	11, 082	35

TABLE LIV.—*Manufactures: Special statistics*

23.—WOOLEN GOODS—Continued.

	States and Territories.	MATERIALS—continued.				PRODUCTS.	
		Coal.	Value.	Value of all other materials used.	Total value of all materials.	Value of production at wholesale.	Blankets.
		Tons.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Pairs.*
	The United States	359, 769	1, 461, 467	6, 559, 224	100, 845, 611	160, 606, 721	1, 083, 671
1	Alabama	.....	.....	500	49, 361	63, 745	.....
2	Arkansas	.....	.....	2, 427	85, 972	127, 430	1, 125
3	California	6, 470	37, 100	78, 359	997, 539	1, 634, 858	77, 500
4	Connecticut	26, 540	139, 720	555, 291	10, 176, 987	16, 892, 284	4, 344
5	Delaware	1, 033	4, 553	35, 964	448, 285	665, 253	.....
6	Georgia	.....	.....	3, 397	165, 065	239, 390	.....
7	Illinois	10, 608	21, 609	47, 387	1, 332, 798	1, 896, 460	18, 794
8	Indiana	10, 865	25, 723	123, 014	1, 823, 390	2, 729, 347	6, 650
9	Iowa	2, 861	8, 775	9, 677	435, 747	679, 904	12, 405
10	Kansas	380	1, 151	995	107, 251	211, 525	8, 800
11	Kentucky	5, 143	14, 095	65, 227	852, 405	1, 264, 988	808
12	Maine	3, 556	19, 475	219, 368	4, 294, 042	6, 686, 073	146, 810
13	Maryland	736	3, 686	9, 983	349, 724	488, 308	905
14	Massachusetts	92, 789	465, 867	1, 942, 881	27, 839, 583	45, 099, 203	185, 436
15	Michigan	800	2, 673	10, 263	356, 614	481, 517	227
16	Minnesota	.....	.....	9, 369	155, 867	253, 378	28, 647
17	Mississippi	.....	.....	2, 398	211, 646	299, 605	2, 000
18	Missouri	2, 591	9, 561	22, 453	681, 711	930, 961	17, 936
19	New Hampshire	7, 048	39, 193	304, 601	4, 993, 709	8, 113, 839	310, 544
20	New Jersey	20, 753	64, 071	213, 503	3, 162, 955	4, 984, 007	62, 868
21	New York	26, 241	90, 405	393, 604	6, 212, 835	9, 874, 973	43, 966
22	North Carolina	.....	.....	6, 102	255, 707	303, 160	.....
23	Ohio	7, 703	21, 413	46, 730	1, 084, 323	1, 678, 189	10, 818
24	Oregon	.....	.....	4, 700	227, 486	549, 030	12, 992
25	Pennsylvania	91, 760	310, 136	1, 690, 089	21, 185, 804	32, 341, 291	121, 120
26	Rhode Island	30, 510	140, 054	517, 530	9, 138, 429	15, 410, 450	.....
27	South Carolina	.....	.....	35	19, 455	24, 075	.....
28	Tennessee	280	2, 046	12, 170	423, 054	620, 724	2, 387
29	Texas	.....	.....	2, 500	44, 435	80, 500	.....
30	Utah	174	1, 300	6, 630	147, 226	279, 424	651
31	Vermont	6, 357	27, 120	169, 442	2, 012, 490	3, 217, 807	.....
32	Virginia	154	688	6, 987	383, 080	577, 968	1, 488
33	Washington	20	150	6, 000	52, 000	70, 000	.....
34	West Virginia	2, 259	3, 188	4, 921	245, 843	356, 986	4, 057
35	Wisconsin	2, 138	7, 715	34, 727	892, 793	1, 480, 069	393

for principal industries: 1880—Continued.

23.—WOOLEN GOODS—Continued.

PRODUCTS—continued.									
Horse blankets.	Carriage robes.	Cloths, cassimeres, doeskins, diagonal, and suitings.	Beavers and overcoating.	Horse clothing.	Blanketing.	Cloaking.	Felted cloth.	Coverlets.	
Number.	*Number*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Number.*	
1,114,827	58,485	73,440,525	7,095,924	616,157	22,393	1,359,296	129,904	1,330,066	
.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	.....	7,500	.....	.....	.....	.....	.....	.....	2
4,300	.....	558,719	52,792	.....	.....	.....	.....	.....	3
.....	.....	9,013,909	1,530,087	.....	.....	.....	.....	1,300,300	4
.....	.....	835,140	.....	.....	.....	.....	.....	.....	5
.....	.....	45,000	.....	.....	.....	.....	.....	.....	6
.....	.....	681,013	.....	.....	.....	.....	.....	.....	7
.....	.....	166,505	.....	.....	.....	.....	.....	.....	8
.....	.....	149,687	.....	.....	.....	.....	.....	.....	9
.....	.....	18,000	.....	.....	.....	.....	.....	.....	10
.....	.....	4,225	.....	.....	.....	.....	.....	.....	11
39,715	17,323	2,828,379	260,259	70,633	.....	225,000	.....	.....	12
.....	.....	157,275	.....	.....	.....	.....	800	.....	13
496,000	29,214	20,989,486	2,052,181	432,000	.....	705,199	60,000	.....	14
.....	.....	323,566	.....	.....	.....	.....	.....	.....	15
.....	3,808	2,132	.....	.....	.....	.....	.....	.....	16
.....	.....	647,036	.....	.....	.....	.....	.....	.....	17
.....	2,000	39,234	.....	.....	.....	.....	.....	.....	18
97,000	1,030	3,156,686	363,962	61,833	.....	314,126	2,000	.....	19
71,552	.....	3,414,478	319,668	.....	.....	14,000	.....	.....	20
305,500	.....	4,526,721	163,743	51,691	.....	.....	12,104	.....	21
.....	.....	48,000	.....	.....	.....	.....	.....	.....	22
.....	.....	85,509	.....	.....	.....	50,000	55,000	.....	23
.....	.....	134,239	.....	.....	22,393	612	.....	.....	24
100,600	.....	11,869,332	1,468,219	.....	.....	45,000	.....	29,766	25
.....	.....	10,965,523	545,579	.....	.....	.....	.....	.....	26
.....	.....	.....	.....	.....	.....	.....	.....	.....	27
.....	.....	8,440	.....	.....	.....	.....	.....	.....	28
.....	.....	86,000	.....	.....	.....	.....	.....	.....	29
.....	.....	26,095	300	.....	.....	.....	.....	.....	30
.....	5,110	1,516,401	337,504	.....	.....	359	.....	.....	31
60	.....	412,370	1,430	.....	.....	5,000	.....	.....	32
.....	.....	.....	.....	.....	.....	.....	.....	.....	33
.....	.....	46,668	.....	.....	.....	.....	.....	.....	34
100	.....	677,257	200	.....	.....	.....	.....	.....	35

TABLE LIV.—*Manufactures: Special statistics*

23.—WOOLEN GOODS—Continued.

	States and Territories.	PRODUCTS—continued.					
		Flannels.	Jeans.	Kersey.	Linsey.	Waterproof cloaking and repellants.	Satinets.
		Yards.	*Yards.*	*Yards.*	*Yards*	*Yards.*	*Yards.*
	The United States	70,923,196	29,538,959	2,579,374	4,781,007	3,838,297	16,629,116
1	Alabama	.....	40,000	.....	.....	.....	.....
2	Arkansas	21,500	113,500	.....	50,000	.....	.....
3	California	1,452,757	.....	.....	.....	.....	.....
4	Connecticut	2,007,571	850,000	157,007	260,000	602,571	2,409,067
5	Delaware	.....	.....	8,121	.....	.....	.....
6	Georgia	.....	454,588	8,219	125,000	.....	.....
7	Illinois	1,342,050	163,857	.....	12,000	.....	5,249
8	Indiana	2,081,331	2,092,568	106,000	3,429	1,000	34,817
9	Iowa	681,108	75,134	1,000	.....	1,200	13,600
10	Kansas	224,000	46,400	.....	.....	.....	5,000
11	Kentucky	11,000	2,456,484	.....	15,200	.....	.....
12	Maine	3,139,730	.....	4,500	.....	1,681,568	25,062
13	Maryland	25,703	.....	659,407	1,587	.....	400
14	Massachusetts	30,749,892	.....	.....	.....	375,948	12,440,844
15	Michigan	160,054	1,200	.....	.....	.....	4,335
16	Minnesota	64,321	12,400	.....	.....	.....	1,500
17	Mississippi	.....	63,606	.....	11,874	.....	2,500
18	Missouri	138,208	352,283	.....	64,980	400	1,400
19	New Hampshire	8,564,625	.....	.....	.....	375,267	32,000
20	New Jersey	1,178,910	120,000	.....	.....	275,084	710
21	New York	7,256,837	.....	80,000	.....	76,387	6,600
22	North Carolina	1,500	12,000	208,000	8,000	10,000	.....
23	Ohio	462,670	625,673	.....	700	.....	40,637
24	Oregon	162,684	.....	.....	.....	.....	.....
25	Pennsylvania	7,453,896	19,143,606	1,243,847	3,491,253	4,013	28,976
26	Rhode Island	1,678,506	2,013,320	.....	530,000	.....	200,000
27	South Carolina	.....	.....	.....	.....	.....	.....
28	Tennessee	18,450	644,036	.....	94,493	.....	23,300
29	Texas	.....	.....	.....	.....	.....	.....
30	Utah	203,128	56,998	3,817	71,609	21,790	.....
31	Vermont	1,065,269	.....	.....	.....	305,000	1,335,300
32	Virginia	18,979	81,050	93,856	17,350	.....	4,100
33	Washington	.....	.....	.....	.....	.....	.....
34	West Virginia	141,317	103,206	5,600	22,332	8,243	3,719
35	Wisconsin	617,200	17,050	.....	1,200	99,826	1,000

for principal industries: 1880—Continued.

23.—WOOLEN GOODS—Continued.

PRODUCTS—continued.									
Tweeds.	Shawls.	Cashmerettes.	Balmorals.	Cotton yarn.	Woolen yarn.	Woolen rolls.	Cottonades.	Dress goods.	
Yards.	*Number.*	*Yards.*	*Dozen.*	*Pounds.*	*Pounds.*	*Pounds.*	*Yards.*	*Yards.*	
2,035,015	1,242,979	1,557,537	144,900	1,420,968	25,581,217	3,541,429	1,821,600	4,771,140	
.....	.....	.....	.....	.....	.....	90,990	.....	.....	1
6,000	100	.....	.....	.....	5,000	82,000	.....	.....	2
22,086	13,900	.....	.....	.....	1,000	.....	.....	.....	3
817,663	.....	.....	.....	.....	233,947	11,211	.....	.....	4
.....	.....	.....	.....	.....	500	8,000	.....	.....	5
20,000	.....	.....	.....	.....	36,000	96,900	.....	.....	6
28,490	34,842	.....	.....	.....	377,068	101,787	.....	.....	7
17,700	.....	.....	.....	.....	884,001	55,513	.....	.....	8
13,267	.....	1,390	.....	.....	353,629	30,772	.....	.....	9
.....	.....	.....	.....	.....	15,500	.....	.....	.....	10
.....	.....	.....	.....	.....	179,092	396,073	.....	.....	11
.....	30,000	.....	.....	.....	28,975	299,928	.....	.....	12
.....	.....	1,913	.....	.....	9,200	10,900	.....	.....	13
544,935	222,534	.....	.....	.....	400,262	1,000	.....	.....	14
.....	.....	.....	.....	.....	162,899	87,250	.....	.....	15
.....	.....	.....	.....	.....	35,000	70,914	.....	.....	16
14,724	2,000	.....	.....	.....	41,085	19,700	.....	.....	17
500	.....	.....	.....	.....	510,055	310,933	.....	.....	18
182,521	.....	1,301,426	.....	.....	8,350	46,300	.....	.....	19
.....	.....	.....	.....	.....	348,562	.....	.....	.....	20
871	379,318	.....	.....	.....	384,219	224,747	.....	.....	21
.....	.....	.....	.....	.....	58,650	214,010	.....	.....	22
5,427	.....	952	200	.....	696,166	89,230	.....	.....	23
.....	2,648	.....	.....	.....	6,738	22,000	.....	.....	24
291,824	392,875	246,106	141,600	1,420,968	19,421,516	527,996	1,717,600	4,771,140	25
.....	111,712	.....	.....	.....	769,760	.....	104,000	.....	26
.....	.....	.....	.....	.....	.....	46,950	.....	.....	27
3,000	1,000	.....	.....	.....	159,005	337,961	.....	.....	28
.....	.....	.....	.....	.....	.....	.....	.....	.....	29
3,200	.....	2,000	.....	.....	43,484	24,900	.....	.....	30
.....	.....	.....	.....	.....	30,750	32,772	.....	.....	31
.....	.....	.....	.....	.....	39,819	112,280	.....	.....	32
.....	.....	.....	.....	.....	.....	.....	.....	.....	33
1,350	.....	3,750	.....	.....	163,539	104,415	.....	.....	34
61,457	52,050	.....	3,100	.....	177,446	83,997	.....	.....	35

TABLE LIV.—*Manufactures: Special statistics*

23.—WOOLEN GOODS—Continued.

	States and Territories.	PRODUCTS—continued.					
		Cashmere.	Worsted coating. (a)	Worsted overcoating. (a)	Worsted dress goods. (a)	Alpaca.	Bunting.
	The United States	*Yards.* 2, 919, 050	*Yards.* 1, 082, 236	*Yards.* 492, 331	*Yards.* 11, 275, 884	*Yards.* 3, 351, 701	*Yards.* 355, 000
1	Alabama						
2	Arkansas						
3	California						
4	Connecticut						
5	Delaware						
6	Georgia						
7	Illinois						
8	Indiana						
9	Iowa						
10	Kansas						
11	Kentucky						
12	Maine						
13	Maryland						
14	Massachusetts	2, 919, 050	315, 284	11, 631	b 10, 932, 898	3, 351, 701	
15	Michigan						
16	Minnesota						
17	Mississippi						
18	Missouri						
19	New Hampshire						
20	New Jersey						
21	New York				700		
22	North Carolina						
23	Ohio						
24	Oregon						
25	Pennsylvania		626, 500		342, 286		355, 000
26	Rhode Island		140, 452	480, 700			
27	South Carolina						
28	Tennessee						
29	Texas						
30	Utah						
31	Vermont						
32	Virginia						
33	Washington						
34	West Virginia						
35	Wisconsin						

a See, also, Worsted goods, Table LIV (25), page 1206.
b Mixed, woolen and worsted.

for principal industries: 1880—Continued.

23.—WOOLEN GOODS—Continued.

PRODUCTS—continued.											
Worsted suitings.	Worsted shawls.	Binding.	Worsted yarn.	Reps.	Lining.	Ingrain carpets, 2-ply. (c)	Ingrain carpets, 3-ply. (c)	Rag carpets.	Girthen carpets.	Value of all products not heretofore named.	
Yards.	*No.*	*Yards.*	*Pounds.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Dollars.*	
914, 587	83, 612	63, 520	2, 238, 076	1, 957, 650	50, 000	169, 555	700	6, 800	820	3, 058, 616	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
349, 375	.....	.....	.....	.....	.....	.....	.....	.....	.....	32, 100	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	87, 000	7
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	213, 189	8
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16, 930	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19, 800	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	98, 700	11
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24, 290	12
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
343, 000	.....	.....	741, 076	1, 957, 650	.....	.....	.....	.....	.....	152, 000	14
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5, 907	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38, 000	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	127, 300	19
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24, 900	20
126, 212	83, 612	.....	.....	.....	.....	112, 830	.....	.....	.....	25, 575	21
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	252, 833	23
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	50, 900	24
.....	.....	63, 520	1, 058, 000	.....	50, 000	56, 725	700	4, 800	820	1, 616, 888	25
96, 000	.....	.....	439, 000	.....	.....	.....	.....	.....	.....	.....	26
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3, 750	28
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32, 000	30
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	52, 000	31
.....	.....	.....	.....	.....	.....	.....	.....	2, 000	.....	85, 000	32
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70, 000	33
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24, 404	34
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5, 090	35

c See also Carpets, other than rag, Table LIV (4), page 1103.

TABLE LIV.—*Manufactures: Special statistics*

24.—WOOL HATS.

	States.	Establishments.	Capital.	MACHINES.			AVERAGE NUMBER OF HANDS EMPLOYED.			
				Sets of cards.	Daily capacity of same, in pounds of scoured wool.	Sewing machines.	Males over 16 years.	Females over 15 years.	Children and youths.	Total number of employés.
		No.	*Dollars.*	*No.*	*Pounds.*	*No.*				
	The United States	43	3, 615, 830	362	19, 144	325	3, 222	1, 459	789	5, 470
1	Connecticut	3	625, 000	31	2, 226	18	272	211	56	539
2	Maine	1	40, 000	10	700	7	53	20	22	95
3	Massachusetts	6	430, 325	43	3, 600	22	578	214	101	893
4	New York	10	1, 728, 005	197	8, 100	215	1, 593	724	477	2, 794
5	Pennsylvania	23	797, 500	81	4, 518	63	726	290	133	1, 149

	States.	MATERIALS—continued.			
		Camels' hair and noils consumed.	Value.	Buffalo hair and noils consumed.	Value.
		Pounds.	*Dollars.*	*Pounds.*	*Dollars.*
	The United States	3, 911	1, 875	7, 436	3, 615
1	Connecticut				
2	Maine				
3	Massachusetts			7, 436	3, 615
4	New York	3, 911	1, 875		
5	Pennsylvania				

	States.	MATERIALS—continued.			
		Coal.	Value.	Value of all other materials used.	Total value of all materials.
		Tons.	*Dollars.*	*Dollars.*	*Dollars.*
	The United States	30, 227	109, 507	1, 459, 133	4, 785, 774
1	Connecticut	2, 663	12, 549	271, 317	532, 976
2	Maine	835	1, 700	31, 248	80, 825
3	Massachusetts	4, 070	17, 315	196, 214	829, 100
4	New York	15, 780	55, 182	755, 144	2, 308, 221
5	Pennsylvania	6, 879	22, 761	205, 210	1, 034, 652

for principal industries: 1880—Continued.

24.—WOOL HATS.

Wages and salaries of all employed during the year.	MATERIALS.				
	Foreign wool in condition, purchased during the year.	Domestic wool in condition, purchased during the year.	Scoured wool (not including waste purchased and shoddy) consumed during the year.	Value at mill of foreign and domestic wool consumed.	
Dollars.	*Pounds.*	*Pounds.*	*Pounds.*	*Dollars.*	
1,893,215	1,864,139	6,107,471	3,597,279	2,644,293	
188,292	110,500	555,817	291,727	213,534	1
31,596	5,108	50,557	41,894	24,363	2
313,935	651,400	1,240,100	815,000	532,000	3
1,041,405	928,131	2,979,880	1,422,768	1,213,162	4
317,987	169,000	1,281,117	1,025,890	661,234	5

MATERIALS—continued.							
Cotton used on cards.	Value.	Shoddy used, or waste, not including that made in mill.	Value.	Value of chemicals and dyestuffs.	Cords of wood.	Value.	
Pounds.	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*	*No.*	*Dollars.*	
185,400	21,870	1,368,562	370,963	173,040	296	1,478	
.....	.....	54,063	22,526	12,862	47	188	1
.....	.....	54,645	20,446	2,789	93	279	2
.....	.....	179,500	49,200	34,271	20	100	3
185,400	21,870	584,604	157,771	99,252	60	350	4
.....	.....	495,750	121,020	23,866	76	561	5

PRODUCTS.								
Value of production at wholesale.	Cloths, cassimeres, and doeskins.	Wool hats.	Felt lining.	Saddle felt.	Felt skirts.	Straw hats.	Value of all products not heretofore named.	
Dollars.	*Yards.*	*Dozen.*	*Yards.*	*Yards.*	*Yards.*	*Dozen.*	*Dollars.*	
8,516,569	699,428	1,391,862	8,194	109	3,176	9,358	153,218	
1,003,892	.....	143,873	.....	.....	.....	.....	.....	1
151,730	.....	.....	.....	.....	.....	.....	151,730	2
1,438,041	.....	146,503	.....	.....	.....	.....	.....	3
4,205,080	699,428	656,836	8,194	109	3,176	9,358	1,488	4
1,717,826	.....	444,650	.....	.....	.....	.....	.....	5

TABLE LIV.—*Manufactures: Special statistics*

25.—WORSTED GOODS.

	States.	Establishments.	Capital.	MACHINES. Sets of cards.	Daily capacity of same, in pounds of scoured wool.	Combing machines of foreign manufacture.	Daily capacity of same, in pounds of scoured wool.	Combing machines of American manufacture.	Daily capacity of same, in pounds of scoured wool.	LOOMS. Broad looms on woolen goods.	Broad looms on worsted goods.	Narrow looms on woolen goods.
		No.	*Dollars.*	*No.*	*Lbs.*	*No.*	*Lbs.*	*No.*	*Lbs.*	*No.*	*No.*	*No.*
	The United States..	76	20,374,043	259	55,105	269	86,761	19	5,650	47	1,963	58
1	Connecticut	3	232,000	22	2,700	6	1,275	.....	.....	30	.....	58
2	Massachusetts	23	6,195,247	96	22,764	75	31,850	11	2,550	12	1,296	.....
3	New Hampshire	2	2,628,584	23	3,400	17	7,000	4	1,800	.....	.....	.....
4	New Jersey	2	45,000	5	1,500	4	1,200	.....	.....	.....	.....	.....
5	New York	6	1,679,157	6	700	30	6,130	1	400	.....	24	.....
6	Ohio	1	67,000	.....	.....	2	500	.....	.....	.....	.....	.....
7	Pennsylvania	28	4,959,639	44	11,316	83	24,406	1	200	.....	486	.....
8	Rhode Island	11	4,567,416	63	12,725	52	14,400	2	700	5	157	.....

	States.	MATERIALS. Foreign wool in condition, purchased during the year.	Domestic wool in condition, purchased during the year.	Scoured wool (not including waste purchased and shoddy) consumed during the year.	Value at mill of foreign and domestic wool consumed.	Camels' hair and noils consumed.	Value.
		Pounds.	*Pounds.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*
	The United States..	15,687,815	25,461,511	26,334,635	15,235,878	207,065	40,341
1	Connecticut	200,000	1,180,000	690,000	602,000	.....	.....
2	Massachusetts	9,376,043	4,811,217	9,758,253	4,143,522	190,000	36,000
3	New Hampshire	1,520,700	1,792,961	2,193,861	941,349	16,565	4,141
4	New Jersey	30,000	35,000	45,000	30,000	.....	.....
5	New York	875,000	1,862,000	1,788,000	979,899	.....	.....
6	Ohio	.....	150,000	120,000	45,000	.....	.....
7	Pennsylvania	1,415,710	10,109,404	7,134,876	5,456,104	.....	.....
8	Rhode Island	2,270,362	5,520,929	4,604,645	3,038,004	500	200

	States.	MATERIALS—continued. Cotton warp used on worsted goods.	Value.	Woolen yarn used, not made in mill.	Value.	Worsted yarn used, not made in mill.	Value.
		Pounds.	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*
	The United States..	5,086,952	1,505,989	416,574	271,255	2,100,532	2,418,086
1	Connecticut	.....	.....	56,000	5,000	368,000	560,600
2	Massachusetts	2,508,549	860,824	18,000	10,000	904,887	925,258
3	New Hampshire	1,207,430	171,599	.....	.....	2,721	4,536
4	New Jersey	.....	.....	.....	.....	25,000	40,000
5	New York	299,900	121,090	.....	.....	50,044	55,555
6	Ohio	40,000	16,000	.....	.....	.....	.....
7	Pennsylvania	495,365	197,689	312,574	236,255	604,880	676,637
8	Rhode Island	535,708	138,787	30,000	20,000	145,000	155,500

for principal industries: 1880—Continued.

25.—WORSTED GOODS.

LOOMS—continued.				Sewing machines.	SPINDLES.		AVERAGE NUMBER OF HANDS EMPLOYED.			Total number of employés.	Wages and salaries of all employed during the year.	
Narrow looms on worsted goods.	Hand looms.	Brusselspower looms.	Knitting looms.		Woolen spindles.	Worsted spindles.	Males over 16 years.	Females over 16 years.	Children and youths.			
No.	*No.*	*No.*	*No.*	*No.*	*No.*	*No.*					*Dollars.*	
7,231	189	4,905	18	57	20,664	219,454	6,435	9,473	2,895	18,803	5,683,027	
.....	.....	.....	.....	.....	2,600	5,000	267	156	67	490	172,256	1
3,103	.....	1,200	.....	12	4,044	76,647	1,813	3,340	630	5,783	1,870,030	2
1,350	.....	.....	.....	6	672	10,880	595	919	107	1,531	512,881	3
.....	30	.....	.....	.....	.....	2,000	90	35	55	180	22,200	4
962	.....	150	.....	3	.....	20,092	477	874	356	1,707	385,952	5
66	.....	.....	.....	.....	.....	1,250	51	32	25	108	23,400	6
650	159	550	2	21	6,080	58,235	1,673	2,378	949	5,000	1,473,958	7
1,100	.....	3,005	16	15	7,268	45,350	1,559	1,739	706	4,004	1,222,350	8

MATERIALS—continued.										
Mohair and noils consumed.	Value.	Hair of other animals consumed.	Value.	Cotton used on cards.	Value.	Shoddy used, or waste, not including that made in mill.	Value.	Cotton warp used on woolen goods.	Value.	
Pounds.	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	
31,598	19,458	519	237	1,757,842	211,293	190,800	31,300	262,000	80,062	
.....	.....	.....	.....	.....	.....	100,000	2,000	.....	.....	1
11,598	6,958	519	237	5,400	1,000	22,800	6,300	20,000	6,000	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
2,000	1,000	.....	.....	.....	.....	.....	.....	.....	.....	5
5,000	2,500	.....	.....	.....	.....	.....	.....	.....	.....	6
8,000	6,000	.....	.....	500,000	60,000	.....	.....	192,000	60,062	7
5,000	3,000	.....	.....	1,252,442	150,293	68,000	23,000	50,000	14,000	8

MATERIALS—continued.							
Value of chemicals and dyestuffs.	Cords of wood.	Value.	Coal.	Value.	Value of all other materials used. (a)	Total value of all materials.	
Dollars.	*Number.*	*Dollars.*	*Tons.*	*Dollars.*	*Dollars.*	*Dollars.*	
565,660	2,132	6,497	72,779	308,421	1,319,151	22,013,628	
25,080	900	2,475	1,500	9,480	52,020	1,258,655	1
81,528	168	713	14,520	75,285	311,851	6,465,476	2
214,322	791	2,430	4,979	25,781	218,068	1,582,226	3
.....	.....	.....	95	417	.....	70,417	4
30,547	150	375	8,778	29,348	130,562	1,348,376	5
2,100	.....	.....	486	1,506	2,500	69,606	6
101,441	1	6	21,649	70,706	412,589	7,277,489	7
110,642	122	498	20,772	95,898	191,561	3,941,383	8

a Including 5,600 pounds silk yarn, value $23,500; 20,000 pounds shoddy yarn, value $10,000.

TABLE LIV.—*Manufactures: Special statistics*

25.—WORSTED GOODS—Continued.

	States.	PRODUCTS.				
		Value of production at wholesale.	Coatings. (a)	Dress goods. (a)	Upholstery goods.	Alpaca.
		Dollars.	*Yards.*	*Yards.*	*Yards.*	*Yards.*
	The United States	33, 549, 942	2, 875, 672	63, 833, 341	205, 000	1, 000, 000
1	Connecticut	1, 597, 227	.....	.....	.....	.....
2	Massachusetts	10, 466, 016	997, 600	37, 333, 459	.....	.....
3	New Hampshire	2, 694, 232	.....	15, 093, 805	.....	.....
4	New Jersey	119, 000	.....	.....	.....	.....
5	New York	2, 321, 990	281, 940	855, 400	.....	1, 000, 000
6	Ohio	101, 250	.....	450, 000	.....	.....
7	Pennsylvania	10, 072, 473	656, 132	4, 072, 850	205, 000	.....
8	Rhode Island	6, 177, 754	940, 000	6, 027, 827	.....	.....

	States.	PRODUCTS—continued.				
		Italian cloths.	Braiding or braids.	Rep.	Tapestry.	Elastic frills.
		Yards.	*Dozen.*	*Yards.*	*Yards.*	*Yards.*
	The United States	1, 357, 444	2, 612, 691	9, 000	329, 000	105, 000
1	Connecticut	.....	.....	.....	.....	.....
2	Massachusetts	.....	881, 188	.....	.....	.....
3	New Hampshire	.....	.....	.....	.....	.....
4	New Jersey	.....	.....	.....	.....	.....
5	New York	835, 500	.....	.....	.....	.....
6	Ohio	.....	.....	.....	.....	.....
7	Pennsylvania	.....	.....	9, 000	329, 000	105, 000
8	Rhode Island	521, 944	1, 731, 503	.....	.....	.....

a See, also, Woolen goods, Table LIV (23), page 1200.

for principal industries: 1880—Continued.

25.—WORSTED GOODS—Continued.

PRODUCTS—continued.						
Serges	Picture cord.	Terry.	Bunting.	Suitings.	Worsted shawls.	
Yards.	*Pieces.*	*Yards.*	*Yards.*	*Yards.*	*Number.*	
530, 741	250, 000	214, 000	2, 230, 221	362, 168	574, 257	
.....	250, 000	.....	.....	336, 000	.....	1
368, 524	.....	.....	962, 520	.....	.....	2
.....	.....	.....	.....	.....	.....	3
.....	.....	.....	.....	25, 000	.....	4
135, 324	.....	.....	1, 263, 318	.....	.....	5
.....	.....	.....	.....	.....	.....	6
.....	.....	214, 000	4, 383	1, 168	574, 257	7
26, 893	.....	.....	.....	.....	.....	8

PRODUCTS—continued.							
Worsted yarn made and sold, not used at mill.	Woolen yarn made and sold, not used at mill.	Lastings.	Cloaking.	Woolen cloths, cassimeres, &c.	Noils, shorts, &c.	Value of all products not heretofore named.	
Pounds.	*Pounds.*	*Yards.*	*Yards.*	*Yards.*	*Pounds.*	*Dollars.*	
9, 650, 000	1, 540, 493	910, 553	16, 107	200, 000	4, 238, 295	965, 512	
360, 000	.....	.....	.....	.....	300, 000	.....	1
3, 057, 929	594, 177	.....	.....	.....	1, 388, 863	63, 867	2
363, 135	233, 210	.....	.....	.....	503, 079	.....	3
30, 000	.....	.....	.....	.....	9, 000	.....	4
251, 571	.....	445, 356	.....	.....	416, 060	.....	5
.....	.....	.....	.....	.....	.....	.....	6
4, 577, 846	654, 106	.....	16, 107	200, 000	899, 767	8, 750	7
1, 009, 449	59, 000	465, 197	.....	.....	721, 520	892, 895	8

TABLE LIV.—*Manufactures: Special statistics*

26.—COKE.

	States.	Establishments.	Capital.	Number of hands employed.				Total amount paid in wages during the year.
				Total.	Males above 16 years.	Females above 15 years.	Children and youths.	
		No.	*Dollars.*					*Dollars.*
	The United States	149	5,545,058	3,142	3,068	3	71	1,198,654
1	Alabama	4	135,500	64	64	.....	.....	38,500
2	Colorado	1	150,000	75	75	.....	.....	13,500
3	Georgia	1	80,000	107	107	.....	.....	13,837
4	Illinois	4	205,000	18	16	.....	2	9,347
5	Indiana	2	8,000	4	4	.....	.....	300
6	Ohio	15	144,012	153	150	.....	3	51,977
7	Pennsylvania	104	4,262,525	2,444	2,379	3	62	983,431
8	Tennessee	4	200,021	114	114	.....	.....	38,820
9	Virginia (*a*)	2	30,000	.....	.....	.....	.....	.....
10	West Virginia	12	330,000	163	159	.....	4	48,942

a Not in operation during census year.

27.—GLASS: A—AGGREGATE, ALL CLASSES.

	States.	Establishments.	Capital.	Furnaces.				
				Total.	Gas.	Tank.	Other kinds.	Pots.
	The United States	*No.* 211	*Dollars.* 19,844,699	*No.* 348	*No.* 21	*No.* 5	*No.* 322	*No.* 2,982
1	California	1	75,000	1	.....	.....	1	7
2	Connecticut	1	130,000	1	.....	.....	1	10
3	District of Columbia (*a*)	1	25,000	1	.....	.....	1	6
4	Illinois	7	445,000	12	.....	.....	12	110
5	Indiana	4	1,442,000	10	.....	.....	10	108
6	Iowa	3	57,000	3	1	.....	2	28
7	Kentucky	5	795,000	7	1	.....	6	55
8	Maryland	8	436,000	10	.....	.....	10	76
9	Massachusetts	11	823,000	22	1	.....	21	206
10	Michigan	1	65,000	1	.....	.....	1	8
11	Mississippi (*b*)	1	25,000	1	.....	.....	1	8
12	Missouri	6	1,430,000	9	1	.....	8	75
13	New Hampshire	1	50,000	2	.....	.....	2	8
14	New Jersey	27	2,728,021	56	.....	1	55	377
15	New York	32	1,933,600	48	1	1	46	373
16	Ohio	20	1,194,850	29	5	.....	24	277
17	Pennsylvania	78	7,639,706	127	9	3	115	1,168
18	West Virginia	4	550,522	8	2	.....	6	82

a Not in operation during census year. *b* Building.

27.—GLASS: B—GLASSWARE.

	The United States	91	7,409,278	162	17	2	143	1,559
1	Connecticut	1	130,000	1	.....	.....	1	10
2	District of Columbia (*a*)	1	25,000	1	.....	.....	1	6
3	Illinois (*a*)	1	20,000	2	.....	.....	2	16
4	Iowa	2	32,000	2	1	.....	1	20
5	Kentucky	1	250,000	2	1	.....	1	22
6	Maryland	2	55,000	2	.....	.....	2	17
7	Massachusetts	6	603,000	15	.....	.....	15	143
8	Missouri	2	100,000	2	.....	.....	2	21
9	New Jersey	3	310,000	10	.....	.....	10	89
10	New York	14	775,600	24	.....	.....	24	215
11	Ohio	10	579,750	18	5	.....	13	191
12	Pennsylvania	44	3,978,406	75	8	2	65	727
13	West Virginia	4	550,522	8	2	.....	6	82

a Not in operation during census year.

for principal industries: 1880—Continued.

26.—COKE.

MATERIALS.				PRODUCTS.		
Coal.		Value of other materials.	Total value of all materials.	Tons of coke.	Value.	
Tons.	Value.					
Number.	*Dollars.*	*Dollars.*	*Dollars.*	*Number.*	*Dollars.*	
4, 360, 110	2, 761, 657	233, 784	2, 995, 441	2, 752, 475	5, 359, 489	
67, 376	75, 314	1, 304	76, 618	42, 035	148, 026	1
29, 500	29, 500	600	30, 100	18, 000	90, 000	2
117, 000	120, 000	4, 900	124, 900	70, 000	140, 000	3
15, 000	15, 000	420	15, 420	7, 600	24, 700	4
1, 500	2, 025	200	2, 225	1, 000	3, 000	5
193, 848	228, 432	5, 399	233, 831	109, 296	334, 546	6
3, 608, 095	2, 031, 305	209, 849	2, 241, 154	2, 317, 149	4, 190, 136	7
179, 311	124, 137	8, 092	132, 229	91, 675	212, 493	8
.....	.....	.....	.....	.....	.....	9
148, 480	135, 944	3, 020	138, 964	95, 720	216, 588	10

27.—GLASS: A—AGGREGATE, ALL CLASSES.

NUMBER OF HANDS EMPLOYED.				Total amount paid in wages during the year.	Total value of materials.	Total value of products.	
Total.	Males above 16 years.	Females above 15 years.	Children and youths.				
24, 177	17, 778	741	5, 658	*Dollars.* 9, 144, 100	*Dollars.* 8, 028, 621	*Dollars.* 21, 154, 571	
113	80	.....	33	45, 924	48, 070	140, 000	1
160	130	2	28	65, 000	70, 000	160, 000	2
.....	.....	.....	.....	.....	.....	.....	3
732	632	.....	100	342, 027	297, 842	901, 343	4
862	695	53	114	284, 207	433, 733	790, 781	5
35	24	2	9	2, 000	3, 248	3, 500	6
522	364	11	147	150, 322	134, 104	388, 405	7
612	524	.....	88	234, 254	239, 682	587, 000	8
946	828	58	60	383, 342	329, 864	854, 345	9
54	50	.....	4	30, 000	35, 113	90, 000	10
.....	.....	.....	.....	.....	.....	.....	11
965	709	36	220	381, 098	351, 871	919, 827	12
102	80	8	14	25, 600	34, 000	70, 000	13
3, 578	2, 762	46	770	1, 300, 038	1, 088, 346	2, 810, 170	14
3, 078	2, 116	50	912	1, 046, 812	944, 691	2, 420, 796	15
1, 688	1, 170	81	437	644, 520	459, 333	1, 549, 320	16
9, 784	6, 999	294	2, 491	3, 897, 306	3, 350, 660	8, 720, 584	17
946	615	100	231	311, 650	208, 064	748, 500	18

27.—GLASS: B—GLASSWARE.

12, 640	8, 253	513	3, 874	4, 452, 417	3, 292, 380	9, 568, 520	
160	130	2	28	65, 000	70, 000	160, 000	1
.....	.....	.....	.....	.....	.....	.....	2
.....	.....	.....	.....	.....	.....	.....	3
35	24	2	9	2, 000	3, 248	3, 500	4
209	106	10	93	105, 292	60, 466	215, 330	5
85	60	.....	25	22, 000	26, 000	85, 000	6
789	673	56	60	328, 000	266, 570	704, 500	7
217	120	.....	97	61, 339	43, 035	136, 487	8
900	525	25	350	250, 000	100, 000	400, 000	9
1, 847	1, 157	30	660	591, 576	426, 826	1, 157, 571	10
1, 225	781	81	363	452, 659	309, 270	1, 076, 320	11
6, 227	4, 062	207	1, 958	2, 262, 901	1, 778, 901	4, 881, 312	12
946	615	100	231	311, 650	208, 064	748, 500	13

TABLE LIV.—*Manufactures: Special statistics*

27.—GLASS: C—GREEN GLASS.

	States.	Establishments.	Capital.	FURNACES. Total.	Gas.	Tank.	Other kinds.	Pots.
		No.	*Dollars.*	*No.*	*No.*	*No.*	*No.*	*No.*
	The United States	56	4,895,266	88	2	3	83	540
1	California	1	75,000	1	.....	.....	1	7
2	Illinois	2	190,000	4	.....	.....	4	36
3	Indiana	1	125,000	2	.....	.....	2	14
4	Kentucky	3	295,000	3	.....	.....	3	17
5	Maryland	2	76,000	3	.....	.....	3	17
6	Massachusetts (*a*)	1	100,000	1	.....	.....	1	11
7	Mississippi (*b*)	1	25,000	1	.....	.....	1	8
8	Missouri	2	140,000	4	.....	.....	4	24
9	New Hampshire	1	50,000	2	.....	.....	2	8
10	New Jersey	15	1,694,666	31	.....	1	30	172
11	New York	9	583,000	13	1	1	11	62
12	Ohio	4	160,100	5	.....	.....	5	30
13	Pennsylvania	14	1,381,500	18	1	1	16	134

a Not in operation during the census year. *b* Building.

27.—GLASS: D—PLATE GLASS.

	States.	Establishments.	Capital.	FURNACES. Total.	Gas.	Tank.	Other kinds.	Pots.
		No.	*Dollars.*	*No.*	*No.*	*No.*	*No.*	*No.*
	The United States	6	2,587,000	10	2	.....	8	116
1	Indiana	2	1,142,000	5	.....	.....	5	64
2	Kentucky	1	250,000	2	.....	.....	2	16
3	Massachusetts	2	45,000	2	1	.....	1	20
4	Missouri	1	1,150,000	1	1	.....	.....	16

a This does not include value of cast plate in process of manufacture, nor of rough plate broken up and

27.—GLASS: E—WINDOW GLASS.

	States.	Establishments.	Capital.	FURNACES. Total.	Gas.	Tank.	Other kinds.	Pots.
		No.	*Dollars.*	*No.*	*No.*	*No.*	*No.*	*No.*
	The United States	58	4,953,155	88	.....	.....	88	767
1	Illinois	4	235,000	6	.....	.....	6	58
2	Indiana	1	175,000	3	.....	.....	3	30
3	Iowa (*a*)	1	25,000	1	.....	.....	1	8
4	Maryland	4	305,000	5	.....	.....	5	42
5	Massachusetts	2	75,000	4	.....	.....	4	32
6	Michigan	1	65,000	1	.....	.....	1	8
7	Missouri	1	40,000	2	.....	.....	2	14
8	New Jersey	9	723,355	15	.....	.....	15	116
9	New York	9	575,000	11	.....	.....	11	90
10	Ohio	6	455,000	6	.....	.....	6	58
11	Pennsylvania	20	2,279,800	34	.....	.....	34	30[illegible]

a Not in operation during the census year.

for principal industries: 1880—Continued.

27.—GLASS: C—GREEN GLASS.

NUMBER OF HANDS EMPLOYED.				Total amount paid in wages during the year.	Total value of materials.	Total value of products.	
Total.	Males above 16 years.	Females above 15 years.	Children and youths.				
6,691	4,948	136	1,607	*Dollars.* 2,259,894	*Dollars.* 2,448,254	*Dollars.* 5,670,433	
113	80	.....	33	45,924	48,070	140,000	1
507	410	.....	97	196,324	196,368	528,000	2
180	107	.....	73	20,357	30,000	64,984	3
278	226	.....	52	44,022	70,888	169,563	4
305	242	.....	63	80,800	66,405	170,000	5
.....	.....	.....	.....	.....	.....	.....	6
.....	.....	.....	.....	.....	.....	.....	7
350	227	.....	123	167,759	168,205	392,790	8
102	80	8	14	25,600	34,000	70,000	9
1,979	1,615	21	343	783,744	698,543	1,681,015	10
821	550	20	251	259,660	293,297	722,322	11
190	120	.....	70	45,000	43,553	115,000	12
1,866	1,291	87	488	590,704	798,925	1,616,759	13

27.—GLASS: D—PLATE GLASS.

NUMBER OF HANDS EMPLOYED.				Total amount paid in wages during the year.	Total value of materials.	PRODUCTS.			Total value of products.	
Total.	Males above 16 years.	Females above 15 years.	Children and youths.			Total cast.	Total polished.	Sold rough.		
956	822	91	43	*Dollars.* 292,253	*Dollars.* 438,457	*Square feet.* 1,700,227	*Square feet.* 1,042,000	*Square feet.* 377,227	*Dollars.* *a* 868,305	
513	419	53	41	160,850	298,733	970,000	642,000	130,000	496,400	1
35	32	1	2	1,008	2,750	20,684	.....	20,684	3,512	2
58	57	1	.....	10,395	24,049	209,543	.....	209,543	45,843	3
350	314	36	.....	120,000	112,925	500,000	400,000	17,000	322,550	4

sed as cullet, but includes only the value of polished plate, and that part of the rough plate that was sold.

27.—GLASS: E—WINDOW GLASS.

NUMBER OF HANDS EMPLOYED.				Total amount paid in wages during the year.	Total value of materials.	PRODUCTS.	Total value of products.	
Total.	Males above 16 years.	Females above 15 years.	Children and youths.			Boxes of 50 square feet each.		
3,890	3,755	1	134	*Dollars.* 2,139,536	*Dollars.* 1,849,530	*Number.* 1,864,734	*Dollars.* 5,047,313	
225	222	.....	3	145,703	101,474	115,271	373,343	1
169	169	.....	.....	103,000	105,000	91,759	229,397	2
.....	.....	.....	.....	.....	.....	.....	.....	3
222	222	.....	.....	131,454	147,277	141,000	332,000	4
99	98	1	.....	44,947	39,245	41,866	104,002	5
54	50	.....	4	30,000	35,113	30,000	90,000	6
48	48	.....	.....	32,000	27,706	24,000	68,000	7
699	622	.....	77	266,294	289,803	296,685	729,155	8
410	409	.....	1	195,576	224,568	216,748	540,903	9
273	269	.....	4	146,861	106,510	127,122	358,000	10
1,691	1,646	.....	45	1,043,701	772,834	780,283	2,222,513	11

POWER USED IN MANUFACTURES.

1213

DEPARTMENT OF THE INTERIOR,
CENSUS OFFICE,
Washington, D. C., January 2, 1883.

HON. C. W. SEATON,
Superintendent of Census.

SIR: In compliance with your instructions, I have the honor to submit tables giving in condensed form the statistics of steam- and water-power used in manufactures, as returned at the census of 1880. These statistics have been compiled under the direction of Professor W. P. Trowbridge, special agent in charge of the statistics of power and machinery used in manufactures, from the returns made upon the schedules used in collecting statistics of manufactures, and include the power used in all industries embraced in the manufacturing statistics, with the following exceptions: Coke, Dyeing and finishing textiles, Glass, Liquors, distilled; Liquors, malt; Mixed textiles; Shipbuilding. The classification by industries is the same as that adopted by the division of manufactures.

These tables show: (1) The number of establishments which used either steam- or water-power, or both, during the whole or a part of the census year from June 1, 1879, to May 31, 1880. The number of establishments here reported is generally less than reported as engaged in manufacture for any district or industry, the difference being due to such establishments as do not use either steam- or water-power, or to such as were not in operation during any part of the census year. Thus, in the state of Massachusetts there are reported 350 flouring- and grist-mills, but only 344 of these are returned as using either steam- or water-power, the remaining 6 being driven by wind; (2) the number of water-wheels used; (3) the total power of these wheels; (4) the number of steam-boilers, not including such boilers as are used for generating steam exclusively for heating purposes; (5) the total number of steam-engines used; (6) the total power of these steam-engines; (7) the total power of all the steam-engines and water-wheels reported as used in manufacture during the census year.

In Table LV are presented the statistics of power used in manufactures, first, by totals for states and territories, and second, by totals for some of the leading industries. In many cases the same steam-engine or water-wheel was reported as being used in two or more industries. Where no satisfactory division of power could be made, it was included in each industry and a deduction made from the total of all industries for such duplication, as is shown in the table.

Table LVI gives the statistics by state totals of the following selected industries, viz: Carpets, cotton goods, felt goods, flouring- and grist-mill products, hosiery and knit goods, iron and steel, lumber (sawed), paper, salt, silk and silk goods, woolen goods, wool hats, worsted goods, the statistics for all other industries being grouped.

The following table shows the total amount of power available in some of the more important industries and the percentage of increase, the total number of hands employed in these industries, as reported in the statistics of manufactures, and the amount of power available per hand employed, according to the census of 1870 and that of 1880:

Industries.	1870.			1880.			Percentage of increase in total power.
	Total steam- and water-power.	Total number of hands employed.	Power per hand employed.	Total steam- and water-power.	Total number of hands employed.	Power per hand employed.	
	H. P.		*H. P.*	*H. P.*		*H. P.*	
Cotton goods	146,040	135,519	1.08	275,504	185,472	1.49	88.65
Flouring- and grist-mill products	576,686	58,448	9.87	771,201	58,407	13.20	33.73
Iron and steel	170,675	77,555	2.20	397,247	140,978	2.82	132.75
Lumber, sawed	641,665	149,997	4.28	821,928	147,956	5.56	28.09
Paper	53,218	17,910	2.97	123,912	24,422	5.07	132.84
Silk and silk goods	1,911	6,699	0.29	8,810	31,337	0.28	361.02
Woolen goods	85,101	77,870	1.09	106,507	86,504	1.23	25.15
Worsted goods	8,016	12,920	0.62	16,437	18,803	0.87	105.05

The total amount of power used in manufactures, as returned at the census of 1870 and that of 1880, is given in the following table, which also shows the percentage of increase in each state and territory. This, however, must be regarded as an approximate comparison only:

States and Territories.	1870. Total steam- and water-power.	1880. Total steam- and water-power.	Percentage of increase.	States and Territories.	1870. Total steam- and water-power.	1880. Total steam- and water-power.	Percentage of increase.
	H. P.	*H. P.*			*H. P.*	*H. P.*	
The United States	2,346,142	3,410,837	45.38	Montana (*a*)	1,617	1,438	.....
				Nebraska	3,311	8,494	156.54
Alabama	18,751	27,576	47.06	Nevada (*a*)	8,545	716	.....
Arizona	90	530	488.89	New Hampshire	77,078	87,750	13.85
Arkansas	7,646	15,733	105.77	New Jersey	58,139	99,858	71.76
California	25,370	32,921	29.76				
Colorado	2,225	5,802	160.76	New Mexico	911	1,359	49.18
Connecticut	80,374	118,232	47.10	New York	334,363	454,143	35.82
Dakota	324	2,224	586.42	North Carolina	33,152	45,088	36.00
Delaware	8,533	15,428	80.80	Ohio	174,323	261,143	49.80
District of Columbia	1,889	3,143	66.38	Oregon	8,277	13,589	64.18
Florida	3,700	7,147	93.16				
Georgia	38,243	51,169	33.80	Pennsylvania	363,918	512,408	40.80
Idaho	606	1,682	177.56	Rhode Island	42,027	63,575	51.27
Illinois	86,044	144,288	67.69	South Carolina	14,932	25,868	73.24
Indiana	100,369	131,770	31.29	Tennessee	37,981	51,952	36.78
Iowa	39,547	54,221	37.11	Texas	13,044	30,534	134.08
Kansas	8,149	21,079	158.67				
Kentucky	39,568	54,929	38.82	Utah	2,500	4,689	87.56
Louisiana (*a*)	25,066	11,346	.....	Vermont	51,322	63,314	23.37
Maine	79,573	100,476	26.27	Virginia	49,612	57,174	15.24
Maryland	32,422	51,259	58.10	Washington	2,823	4,395	55.69
Massachusetts	184,356	309,759	68.02	West Virginia	27,331	37,910	38.71
Michigan	105,851	164,747	55.64				
Minnesota	20,139	53,880	167.54				
Mississippi	12,472	18,450	47.93	Wisconsin	64,223	106,085	65.18
Missouri	55,062	80,749	46.65	Wyoming	344	755	119.48

a Decrease.

In making this comparison, it must be noted that the classification adopted in the census of 1870 and that used in 1880 are not exactly alike. Thus it would appear that there was a falling off in the amount of power used in manufacture in the state of Louisiana from 25,066 horse-power in 1870 to 11,346 horse-power in 1880. This is due to the fact that in the census of 1870 the sugar made on the plantations direct from the ray [illegible] product of manufacture, while in 1880 it is [illegible]

ERRATA TO PART II, COMPENDIUM OF CENSUS.

On page 928, in column "Males above 16 years", total, for "2,025,335", read *2,019,035*; same page and column, in South Carolina, for "19,987" read *13,687*.

On page 933, in column "Males above 16 years", total, for "2,025,335", read *2,019,035*.

On page 935, in column "Males above 16 years", line 103, for "14,677", read *8,377*.

On page 1013, in South Carolina, column "Males above 16 years", total, for "19,987", read *13,687*; same page and column, in Charleston, for "10,848", read *4,548*.

On page 1014, in South Carolina by selected industries, column "Males above 16 years", for "19,987", read *13,687*; same page and column, in Fertilizers, for "8,979", read *2,679*.

On page 1115, in column "Value of all other materials", total, for "75,589,519", read *75,612,108*; same column, line 30, for "1,211,140", read *1,233,729*; same page, in column "Total value of all materials", total, for "77,471,836", read *77,494,425*; same column, line 30, for "1,275,115", read *1,297,704*.

On page 1127, in heading of industry, for "Special cotton manufactures", read *Specific cotton manufactures*.

On page 1252, Table LXXII, in column "Amount of capital invested", for "$27,395,746", read *$27,325,746*.

On page 1261, in column "Per cent. of earnings", for "33.63", read *33.64*.

On page 1349, in text, 3d line from bottom, for "42", read *41*.

On page 1359, in column "Scandinavia", strike out reference letter (*a*) and note at bottom of page, Scandinavia including only Sweden and Norway.

On page 1483, in 4th column, total of class 2, for "755,902", read *1,174,228*; same column, 3d line from bottom, for "27,232", read *445,558*.

On page 1487, in 4th column, in total, for "65,160,675", read *65,579,001*; same column, line 27, for "13,720,597", read *14,138,923*.

	Water-power.	Steam-power.	Water-power.	Steam-power.
	Per cent.	*Per cent.*	*Per cent.*	*Per cent.*
Cotton goods	67.84	32.16	53.99	46.01
Flouring- and grist-mill products	70.74	29.26	60.94	39.06
Iron and steel	9.72	90.28	4.16	95.84
Lumber, sawed	50.93	49.07	33.91	66.09
Paper	78.25	21.75	70.70	29.30
Silk and silk goods	41.29	58.71	17.73	82.27
Woolen goods	62.17	37.83	50.33	49.67
Worsted goods	57.81	42.19	38.34	61.66

The following table shows the total amount of power available in some of the more important industries and the percentage of increase, the total number of hands employed in these industries, as reported in the statistics of manufactures, and the amount of power available per hand employed, according to the census of 1870 and that of 1880:

Industries.	1870.			1880.			Percentage of increase in total power.
	Total steam- and water-power.	Total number of hands employed.	Power per hand employed.	Total steam- and water-power.	Total number of hands employed.	Power per hand employed.	
Massachusetts	184,556	309,759	68.02	West Virginia	27,331	37,910	38.71
Michigan	105,851	164,747	55.64				
Minnesota	20,139	53,880	167.54				
Mississippi	12,472	18,450	47.93	Wisconsin	64,223	106,085	65.13
Missouri	55,062	80,749	46.65	Wyoming	344	755	119.48

a Decrease.

In making this comparison, it must be noted that the classification adopted in the census of 1870 and that used in 1880 are not exactly alike. Thus it would appear that there was a falling off in the amount of power used in manufacture in the state of Louisiana from 25,066 horse-power in 1870 to 11,346 horse-power in 1880. This is due to the fact that in the census of 1870 the sugar made on the plantations direct from the raw cane was included as a product of manufacture, while in 1880 it is included with the products of agriculture. Thus, in order to make a comparison, we must deduct 18,296 horse-power used on the sugar plantations from the total 25,066 horse-power, and we would then have for the industries in the census of 1880 an increase of from 6,770 horse-power in 1870 to 11,346 in 1880.

In the state of Nevada it would appear that there was a falling off from 8,545 horse-power in 1870 to 716 horse-power in 1880. In the census of 1870 we find that the following industries are included in statistics of manufactures: "Quartz milled," 7,174 horse-power, and "Lead, pig", 215 horse-power. These industries are included in the statistics, not of manufacture, but of mining, in the census of 1880; therefore, in order to make a comparison, we must deduct 7,389 horse-power from the total for 1870. This would still leave the amount of power reported in 1870 slightly in excess of that reported in 1880, owing probably to the very rapid development of mining in 1870 and the consequent demand for sawed lumber and other products of manufacture.

This table shows a decrease for Montana in the total amount of power reported as used in manufactures. If we deduct 780 horse-power for "Quartz milled" from the total for 1870, we would then have an increase from 837 horse-power in 1870 to 1,498 horse-power in 1880.

In the census of 1870 we find that the industry, "Quartz milled," is reported in California with 2,739 horse-power. This ought also strictly to be deducted before making a comparison. With these exceptions, the classification of industries in the census of 1870 and that used in 1880 are so nearly alike that a comparison can safely be made.

The following table shows the relative amount of steam- and of water-power used in some of the more important industries, as returned at the census of 1870 and that of 1880:

	1870.		1880.	
	Water-power.	Steam-power.	Water-power.	Steam-power.
	Per cent.	*Per cent.*	*Per cent.*	*Per cent.*
Cotton goods	67.84	32.16	53.99	46.01
Flouring- and grist-mill products	70.74	29.26	60.94	39.06
Iron and steel	9.72	90.28	4.16	95.84
Lumber, sawed	50.93	49.07	33.91	66.09
Paper	78.25	21.75	70.70	29.30
Silk and silk goods	41.29	58.71	17.73	82.27
Woolen goods	62.17	37.83	50.33	49.67
Worsted goods	57.81	42.19	38.34	61.66

The proportional amounts of steam- and of water-power used in manufactures in the different states and territories according to the census of 1870 and that of 1880 are shown in the following table:

	1870.		1880.	
	Water-power.	Steam-power.	Water-power.	Steam-power.
The United States	*Per cent.* 48.18	*Per cent.* 51.82	*Per cent.* 35.93	*Per cent.* 64.07
Alabama	58.72	41.28	42.78	57.22
Arizona	11.11	88.89	30.19	69 81
Arkansas	20.21	79.79	12.86	87.14
California	27.11	72.89	14.73	85.27
Colorado	35.60	64.40	31.87	68.13
Connecticut	67.68	32.32	51.77	48.23
Dakota	23.46	76.54	36.11	63.89
Delaware	49.46	50.54	31.02	68.98
District of Columbia	58.23	41.77	28.00	72.00
Florida	14.27	85.73	13.14	86.86
Georgia	71.69	28.31	58.76	41.24
Idaho	48.68	51.32	67.54	32.46
Illinois	15.05	84.95	12.09	87.91
Indiana	23.43	76.57	16.55	83.45
Iowa	36.03	63.97	37.56	62.44
Kansas	21.95	78.05	36 11	63.89
Kentucky	19.31	80.69	16.41	83.59
Louisiana	0.57	99.43	0.79	99.21
Maine	88.11	11.89	79 34	20.66
Maryland	56.94	43.06	35.20	64.80
Massachusetts	57.42	42.58	44.67	55.33
Michigan	32.97	67.03	20.88	79.12
Minnesota	64.82	35.18	53.25	46.75
Mississippi	19.67	80.33	18.69	81.31
Missouri	12.07	87.93	10.11	89.89
Montana	49.17	50.83	63.68	36.32
Nebraska	43.67	56.33	64.69	35.31
Nevada	29.70	70.30	15.08	84.92
New Hampshire	88.60	11.40	78.81	21.19
New Jersey	44.43	55.57	27.10	72.90
New Mexico	72.34	27.66	68.58	31.42
New York	62.28	37.72	48.30	51.70
North Carolina	79.06	20.94	66.68	33.32
Ohio	25.67	74.33	14.80	85.20
Oregon	70.15	29.85	68.11	31.89
Pennsylvania	39.01	60.99	21.52	78.48
Rhode Island	43.97	56.03	34.98	65.02
South Carolina	69.62	30.38	53.63	46.37
Tennessee	51.38	48.62	35.73	64.27
Texas	14.03	85.97	8.21	91.79
Utah	86.76	13.24	75 39	24.61
Vermont	87.48	12.52	82.49	17.51
Virginia	83.05	16.95	65.53	34.47
Washington	50.02	49 98	26.96	73 04
West Virginia	37.30	62.70	24.94	75.06
Wisconsin	52.50	47.50	42.75	57.25
Wyoming	9.88	90.12	5.03	94.97

In conclusion, I desire to acknowledge my obligations to many of the officers and clerks of the Census Office for their valuable assistance in the compilation of these statistics. I wish especially to acknowledge my indebtedness to Mr. F. R. Williams, chief of the division of manufactures, and to my assistant, Mr. G. W. Clapp.

I am, sir, very respectfully, your obedient servant,

HERMAN HOLLERITH, *Special Agent.*

TABLE LV.—*Power used in manufactures in the United States:* 1880.

BY STATES AND TERRITORIES.

States and Territories.	No. of establishments.	WATER-POWER.		STEAM-POWER.			Total steam and water horse-power.
		No. of wheels.	Horse-power.	No. of boilers.	No. of engines.	Horse-power.	
The United States	85, 923	55, 404	1, 225, 379	72, 304	56, 483	2, 185, 458	3, 410, 837
Alabama	1, 257	931	11, 797	616	551	15, 779	27, 576
Arizona	21	8	160	15	14	370	530
Arkansas	729	149	2, 024	555	545	13, 709	15, 733
California	1, 000	205	4, 850	990	779	28, 071	32, 921
Colorado	181	52	1, 849	158	152	3, 953	5, 802
Connecticut	2, 028	1, 784	61, 205	1, 670	1, 124	57, 027	118, 232
Dakota	79	36	803	56	55	1, 421	2, 224
Delaware	317	232	4, 785	365	254	10, 643	15, 428
District of Columbia	115	15	880	127	118	2, 263	3, 143
Florida	244	70	939	291	193	6, 208	7, 147
Georgia	2, 074	1, 917	30, 067	948	799	21, 102	51, 169
Idaho	67	48	1, 136	23	22	546	1, 682
Illinois	3, 722	751	17, 445	4, 143	3, 445	126, 843	144, 288
Indiana	4, 066	1, 143	21, 810	3, 889	3, 634	109, 960	131, 770
Iowa	1, 546	1, 093	20, 363	1, 229	1, 068	33, 858	54, 221
Kansas	578	299	7, 611	426	396	13, 468	21, 079
Kentucky	1, 767	653	9, 012	1, 636	1, 494	45, 917	54, 929
Louisiana	402	13	90	491	430	11, 256	11, 346
Maine	1, 918	2, 887	79, 717	747	511	20, 759	100, 476
Maryland	1, 532	1, 004	18, 043	1, 202	914	33, 216	51, 259
Massachusetts	5, 173	3, 046	138, 362	5, 105	3, 096	171, 397	309, 759
Michigan	3, 581	1, 746	34, 395	4, 109	3, 085	130, 352	164, 747
Minnesota	964	659	28, 689	760	569	25, 191	53, 380
Mississippi	893	301	3, 449	676	635	15, 001	18, 450
Missouri	2, 428	537	8, 162	2, 448	2, 128	72, 587	80, 749
Montana	63	39	954	31	31	544	1, 498
Nebraska	262	245	5, 495	128	126	2, 999	8, 494
Nevada	26	6	108	27	23	608	716
New Hampshire	1, 653	2, 122	69, 155	598	456	18, 595	87, 750
New Jersey	2, 226	1, 213	27, 066	2, 253	1, 619	72, 792	99, 858
New Mexico	78	69	932	19	19	427	1, 359
New York	11, 776	9, 752	219, 348	8, 101	6, 672	234, 795	454, 143
North Carolina	2, 323	2, 370	30, 063	609	616	15, 025	45, 088
Ohio	6, 684	2, 080	38, 641	7, 081	6, 215	222, 502	261, 143
Oregon	443	373	9, 255	196	176	4, 334	13, 589
Pennsylvania	10, 381	7, 075	110, 276	12, 095	7, 913	402, 132	512, 408
Rhode Island	608	386	22, 240	1, 164	476	41, 335	63, 575
South Carolina	1, 259	1, 057	13, 873	592	509	11, 995	25, 868
Tennessee	2, 108	1, 382	18, 564	1, 074	967	33, 388	51, 952
Texas	1, 334	174	2, 508	1, 229	1, 167	28, 026	30, 534
Utah	243	214	3, 535	55	55	1, 154	4, 689
Vermont	1, 582	2, 138	52, 226	378	272	11, 088	63, 314
Virginia	2, 768	2, 399	37, 464	982	899	19, 710	57, 174
Washington	70	46	1, 185	96	61	3, 210	4, 395
West Virginia	1, 190	670	9, 454	934	816	28, 456	37, 910
Wisconsin	2, 154	2, 022	45, 356	1, 879	1, 366	60, 729	106, 085
Wyoming	10	2	38	18	18	717	755

BY INDUSTRIES.

Carpets	59	16	2, 151	244	81	8, 340	10, 491
Cotton goods	956	1, 265	148, 754	2, 584	786	126, 750	275, 504
Felt goods	26	18	1, 141	52	29	1, 490	2, 631
Flouring and grist-mill products	24, 258	29, 026	469, 987	9, 448	8, 445	301, 214	771, 201
Hosiery and knit goods	226	118	5, 492	224	163	6, 069	11, 561
Iron and steel	781	360	16, 506	7, 237	3, 205	380, 741	397, 247
Lumber, sawed	25, 680	14, 639	278, 686	20, 418	17, 268	543, 242	821, 928
Paper	692	1, 856	87, 611	1, 018	673	36, 301	123, 912
Salt (*a*)	202	7	108	267	412	8, 368	8, 476
Silk and silk goods	197	54	1, 562	219	156	7, 248	8, 810
Woolen goods	1, 984	1, 505	53, 610	1, 676	986	52, 897	106, 507
Wool hats	43	7	672	102	47	3, 320	3, 992
Worsted goods	76	52	6, 302	203	100	10, 135	16, 437
All other industries	30, 743	6, 860	161, 288	29, 624	25, 070	726, 958	888, 246
Gross total	85, 923	55, 783	1, 233, 870	73, 316	57, 421	2, 213, 073	3, 446, 943
Deduct duplicates	.....	379	8, 491	1, 012	938	27, 615	36, 106
Total	85, 923	55, 404	1, 225, 379	72, 304	56, 483	2, 185, 458	3, 410, 837

a The manufacture of salt in Michigan is conducted largely in connection with the manufacture of lumber. In many such cases the steam used in the salt works is supplied from the boilers of the saw-mills, which are therefore not included with the statistics of salt works.

TABLE LVI.—*Power used in manufactures in the United States in certain industries:* 1880.

CARPETS.

States and Territories.	No. of establishments.	WATER-POWER.		STEAM-POWER.			Total steam and water horse-power.
		No. of wheels.	Horse-power.	No. of boilers.	No. of engines.	Horse-power.	
The United States	59	16	2,151	244	81	8,340	10,491
Connecticut	2	.....	.....	28	8	960	960
Maine	1	.....	.....	1	1	4	4
Massachusetts	7	4	705	81	10	1,420	2,125
New Jersey	1	2	260	.....	.....	.....	260
New York	9	10	1,186	44	15	3,408	4,594
Pennsylvania	39	.....	.....	90	47	2,548	2,548

COTTON GOODS.

The United States	956	1,265	148,754	2,584	786	126,750	275,504
Alabama	16	9	1,307	19	9	510	1,817
Arkansas	2	1	48	2	1	80	128
Connecticut	90	170	17,631	117	51	6,616	24,247
Delaware	10	9	445	27	7	959	1,404
Florida	1	.....	.....	1	1	35	35
Georgia	41	59	7,300	33	18	1,457	8,757
Illinois	4	3	80	4	2	290	370
Indiana	4	2	80	29	10	1,370	1,450
Kentucky	4	1	53	8	4	448	501
Louisiana	2	.....	.....	5	3	250	250
Maine	23	91	13,586	30	9	1,875	15,461
Maryland	20	25	2,538	65	19	4,717	7,255
Massachusetts	194	338	48,452	1,006	228	55,458	103,910
Michigan	2	.....	.....	2	1	140	140
Minnesota	1	1	28	.....	.....	.....	28
Mississippi	7	3	172	14	7	763	935
Missouri	4	.....	.....	12	5	680	680
New Hampshire	36	105	20,140	78	21	4,569	24,709
New Jersey	23	19	1,485	77	28	3,404	4,889
New York	52	74	9,189	81	36	3,991	13,180
North Carolina	48	51	3,046	17	10	582	3,628
Ohio	6	3	90	13	6	360	450
Pennsylvania	185	35	1,783	434	182	14,408	16,191
Rhode Island	129	200	15,969	463	114	21,433	37,402
South Carolina	14	23	2,398	6	3	425	2,823
Tennessee	19	14	462	17	7	810	1,272
Texas	2	.....	.....	4	2	205	205
Utah	1	1	26	.....	.....	.....	26
Vermont	8	11	1,076	14	5	570	1,646
Virginia	7	13	1,190	3	2	165	1,355
Wisconsin	1	4	180	3	1	180	360

FELT GOODS.

The United States	26	18	1,141	52	29	1,490	2,631
Connecticut	2	3	261	7	4	275	536
Maine	1	1	65	3	1	65	130
Massachusetts	11	8	480	23	14	670	1,150
New Hampshire	1	1	60	.....	.....	.....	60
New Jersey	6	3	110	10	4	170	280
New York	4	2	165	3	3	210	375
Pennsylvania	1	.....	.....	6	3	100	100

TABLE LVI.—*Power used in manufactures in certain industries*—Continued.

FLOURING- AND GRIST-MILL PRODUCTS.

States and Territories.	No. of establishments.	WATER-POWER.		STEAM-POWER.			Total steam and water horse-power.
		No. of wheels.	Horse-power.	No. of boilers.	No. of engines.	Horse-power.	
The United States	24,258	29,026	469,987	9,448	8,445	301,214	771,201
Alabama	807	759	7,992	256	252	5,670	13,662
Arizona	8	6	134	3	3	90	224
Arkansas	350	118	1,535	261	261	5,671	7,206
California	149	69	1,672	145	97	5,769	7,441
Colorado	34	37	1,475	7	7	440	1,915
Connecticut	233	318	5,821	32	30	874	6,695
Dakota	30	33	717	12	11	404	1,121
Delaware	81	121	2,046	18	12	421	2,467
District of Columbia	9	12	758	.....	.....	.....	758
Florida	94	49	530	50	50	764	1,294
Georgia	1,132	1,481	17,622	156	149	3,733	21,355
Idaho	16	17	408	1	1	30	438
Illinois	1,012	524	10,298	1,002	832	38,292	48,590
Indiana	996	837	13,547	713	656	25,251	38,798
Iowa	713	1,002	18,145	320	287	11,654	29,799
Kansas	319	269	6,846	182	169	6,858	13,704
Kentucky	651	508	7,101	424	395	12,905	20,006
Louisiana	79	6	39	73	72	1,346	1,385
Maine	261	516	8,497	29	20	962	9,459
Maryland	546	673	10,344	93	72	2,446	12,790
Massachusetts	344	444	9,688	95	74	3,352	13,040
Michigan	706	1,135	18,570	362	327	14,461	33,031
Minnesota	434	535	22,482	180	144	8,979	31,461
Mississippi	525	242	2,506	309	306	5,814	8,410
Missouri	872	456	6,807	701	617	25,087	31,894
Montana	15	18	502	.....	.....	.....	502
Nebraska	169	233	5,276	31	31	1,157	6,433
Nevada	7	6	108	2	2	61	169
New Hampshire	181	432	7,052	20	18	660	7,712
New Jersey	479	660	12,183	61	55	1,852	14,035
New Mexico	51	56	698	4	4	78	776
New York	1,766	3,593	66,491	370	357	15,998	82,489
North Carolina	1,294	1,776	18,842	170	152	3,515	22,357
Ohio	1,380	1,461	25,634	858	777	31,648	57,282
Oregon	106	135	4,072	14	14	415	4,487
Pennsylvania	2,873	4,251	59,966	773	593	19,345	79,311
Rhode Island	46	38	970	29	12	1,001	1,971
South Carolina	719	803	8,457	175	170	2,721	11,178
Tennessee	989	933	12,699	288	273	8,741	21,440
Texas	900	146	2,210	799	783	16,392	18,602
Utah	85	94	1,674	3	3	90	1,764
Vermont	227	587	9,686	10	8	323	10,009
Virginia	1,385	1,786	25,765	55	51	1,335	27,100
Washington	9	7	131	2	2	24	155
West Virginia	472	491	6,996	168	150	4,642	11,638
Wisconsin	703	1,372	24,875	192	146	9,943	34,818
Wyoming	1	1	30	.....	.....	.....	30

HOSIERY AND KNIT GOODS.

The United States	226	118	5,492	224	163	6,069	11,561
Connecticut	14	13	479	22	12	795	1,274
Illinois	6	1	50	3	3	30	80
Indiana	2	.....	.....	2	2	13	13
Massachusetts	22	7	380	25	18	681	1,061
Michigan	6	1	30	3	3	83	113

TABLE LVI.—*Power used in manufactures in certain industries*—Continued.

HOSIERY AND KNIT GOODS—Continued.

States and Territories.	No. of establishments.	WATER-POWER.		STEAM POWER.			Total steam and water horse-power.
		No. of wheels.	Horse-power.	No. of boilers.	No. of engines.	Horse-power.	
Missouri	2	1	2	.....	.....	2	4
New Hampshire	23	24	949	2	2	50	999
New Jersey	5	1	12	11	5	494	506
New York	67	61	3,372	55	37	1,839	5,211
Ohio	2	.....	.....	2	2	27	27
Pennsylvania	70	1	10	90	72	1,830	1,840
Rhode Island	1	.....	.....	2	1	5	5
Vermont	6	8	208	7	6	220	428

IRON AND STEEL.

The United States	781	360	16,506	7,237	3,205	380,741	397,247
Alabama	8	.....	.....	44	20	2,400	2,400
California	1	.....	.....	43	16	600	600
Colorado	1	.....	.....	7	4	315	315
Connecticut	17	14	918	46	22	2,145	3,063
Delaware	7	2	189	63	32	2,370	2,559
District of Columbia	1	.....	.....	3	2	135	135
Georgia	9	4	53	34	15	1,546	1,599
Illinois	16	.....	.....	198	127	17,852	17,852
Indiana	10	.....	.....	77	60	4,495	4,495
Kansas	2	.....	.....	21	12	1,900	1,900
Kentucky	18	.....	.....	146	76	6,400	6,400
Maine	3	6	785	33	10	1,100	1,885
Maryland	18	11	670	145	69	5,276	5,946
Massachusetts	24	39	1,650	328	112	13,821	15,471
Michigan	15	2	45	92	63	5,195	5,240
Missouri	10	.....	.....	118	60	5,915	5,915
Nebraska	1	.....	.....	5	5	300	300
New Hampshire	2	.....	.....	30	11	755	755
New Jersey	36	26	1,196	331	133	13,739	14,935
New York	74	82	4,709	626	241	25,138	29,847
North Carolina	6	13	253	.....	.....	.....	253
Ohio	103	1	100	859	439	50,870	50,970
Oregon	1	1	147	.....	.....	.....	147
Pennsylvania	321	101	3,713	3,689	1,506	197,569	201,282
Rhode Island	1	.....	.....	14	5	420	420
Tennessee	29	22	293	75	41	6,045	6,338
Texas	1	.....	.....	1	1	60	60
Vermont	2	1	25	10	1	350	375
Virginia	19	29	1,596	18	9	375	1,971
West Virginia	16	.....	.....	103	50	8,600	8,600
Wisconsin	8	6	164	68	53	4,600	4,764
Wyoming	1	.....	.....	10	10	455	455

LUMBER, SAWED.

The United States	25,680	14,639	278,686	20,418	17,268	543,242	821,928
Alabama	354	157	2,354	277	249	6,880	9,234
Arizona	13	2	26	12	11	280	306
Arkansas	319	27	445	317	310	8,586	9,031
California	251	90	2,229	285	211	8,763	10,992
Colorado	96	13	279	94	92	2,214	2,493
Connecticut	300	328	5,880	41	38	1,105	6,985
Dakota	38	2	66	37	37	928	994
Delaware	86	46	689	78	60	1,558	2,247
District of Columbia	1	.....	.....	2	1	200	200
Florida	135	25	482	235	140	5,393	5,875

TABLE LVI.—*Power used in manufactures in certain industries*—Continued.

LUMBER, SAWED—Continued.

States and Territories.	No. of establishments.	WATER-POWER.		STEAM-POWER.			Total steam and water horse-power.
		No. of wheels.	Horse-power.	No. of boilers.	No. of engines.	Horse-power.	
Georgia	655	308	4,345	557	455	10,955	15,300
Idaho	48	31	748	19	19	490	1,238
Illinois	640	18	190	724	674	17,891	18,081
Indiana	2,018	171	2,688	2,012	1,986	51,638	54,326
Iowa	326	48	837	412	320	13,655	14,492
Kansas	145	21	463	129	126	3,352	3,815
Kentucky	668	104	1,148	660	650	16,439	17,587
Louisiana	174	6	52	212	187	5,076	5,128
Maine	848	1,609	35,127	196	115	7,484	42,611
Maryland	309	216	2,386	257	208	5,078	7,464
Massachusetts	606	707	14,366	150	115	4,573	18,939
Michigan	1,649	418	9,149	2,584	1,584	81,297	90,446
Minnesota	234	94	5,194	326	199	10,109	15,303
Mississippi	295	54	658	314	292	7,608	8,266
Missouri	881	63	1,139	895	853	22,143	23,282
Montana	36	18	430	20	20	420	850
Nebraska	38	7	154	33	35	821	975
Nevada	9	.....	.....	14	11	409	409
New Hampshire	680	920	19,584	161	142	5,526	25,110
New Jersey	284	249	3,903	96	83	2,465	6,368
New Mexico	26	13	234	14	14	319	553
New York	2,822	3,380	62,569	1,131	1,007	31,213	93,782
North Carolina	774	461	6,828	451	395	10,067	16,895
Ohio	2,347	318	4,872	2,244	2,216	57,419	62,291
Oregon	227	187	3,959	119	99	2,875	6,834
Pennsylvania	2,826	1,875	30,724	2,036	1,630	48,922	79,646
Rhode Island	49	50	915	9	10	230	1,145
South Carolina	420	216	2,935	300	254	6,181	9,116
Tennessee	755	349	4,165	518	494	13,734	17,899
Texas	317	28	386	351	313	9,836	10,222
Utah	107	86	1,303	33	33	703	2,006
Vermont	688	871	21,799	99	87	3,821	25,620
Virginia	907	465	6,877	562	517	11,214	18,091
Washington	37	27	804	82	44	2,967	3,771
West Virginia	409	136	1,921	394	374	9,560	11,481
Wisconsin	704	424	13,376	919	552	30,613	43,989
Wyoming	7	1	8	7	7	232	240

PAPER.

The United States	692	1,856	87,611	1,018	673	36,301	123,912
California	6	5	225	17	11	610	835
Colorado	1	1	70	1	1	15	85
Connecticut	65	154	6,221	60	41	2,250	8,471
Delaware	4	9	589	26	10	1,098	1,687
District of Columbia	1	2	95	2	1	20	115
Georgia	7	10	367	8	8	350	717
Illinois	23	73	2,383	29	16	839	3,222
Indiana	19	42	2,469	19	17	593	3,062
Iowa	4	8	532	12	8	470	1,002
Kansas	1	2	45	.....	.....	.....	45
Kentucky	2	.....	.....	18	9	925	925
Maine	12	84	4,958	14	6	435	5,393
Maryland	25	45	1,235	29	21	786	2,021
Massachusetts	96	368	21,045	175	123	6,361	27,406
Michigan	21	55	2,363	19	9	489	2,852
Minnesota	2	5	650	.....	.....	.....	650
Nebraska	1	5	65	.....	.....	.....	65
New Hampshire	25	80	4,931	9	7	308	5,239
New Jersey	32	57	2,321	57	32	2,180	4,501
New York	168	499	21,831	111	90	4,474	26,305

TABLE LVI.—*Power used in manufactures in certain industries*—Continued.

PAPER—Continued.

States and Territories.	No. of establishments.	WATER-POWER.		STEAM-POWER.			Total steam and water horse-power.
		No. of wheels.	Horse-power.	No. of boilers.	No. of engines.	Horse-power.	
North Carolina	4	11	698	1	1	15	713
Ohio	60	99	4,228	181	111	6,868	11,096
Oregon	1	6	80				80
Pennsylvania	78	108	2,766	202	134	6,668	9,434
Tennessee	1	1	40	2	1	15	55
Utah	1	1	35	1	1	50	85
Vermont	13	53	4,613	5	4	82	4,695
Virginia	3	4	195	4	2	100	295
West Virginia	3	1	10	15	8	255	265
Wisconsin	13	68	2,551	1	1	45	2,596

SALT.

The United States	202	7	108	267	412	8,368	8,476
California	6	4	17	3	3	32	49
Kansas	1			1	1	10	10
Kentucky	2			3	3	22	22
Louisiana	1			1	1	30	30
Maine	1			1	1	25	25
Michigan (*a*)	81			56	202	5,000	5,000
Nevada	2			2	2	18	18
New York	52	1	75	70	66	1,313	1,388
Ohio	23			52	53	812	812
Pennsylvania	16			21	21	269	269
Utah	2	2	16				16
Virginia	1			2	2	40	40
West Virginia	14			55	57	797	797

a The manufacture of salt in Michigan is conducted largely in connection with the manufacture of lumber. In many such cases the steam used in the salt works is supplied from the boilers of the saw-mills, which are therefore not included with the statistics of salt works.

SILK AND SILK GOODS.

The United States	197	54	1,562	219	156	7,248	8,810
California	2			3	2	52	52
Connecticut	27	17	310	35	21	1,168	1,478
Illinois	2			1	1	17	17
Maine	1	1	30				30
Massachusetts	17	11	362	24	16	357	719
New Hampshire	1	1	10				10
New Jersey	78	18	619	92	66	3,628	4,247
New York	44	5	223	36	31	1,352	1,575
Pennsylvania	23			27	18	666	666
Rhode Island	1			1	1	8	8
Vermont	1	1	8				8

WOOLEN GOODS.

The United States	1,984	1,505	53,610	1,676	986	52,897	106,507
Alabama	14	7	183	4	4	86	269
Arkansas	23	4	31	11	10	268	299
California	9	3	115	17	9	610	725
Connecticut	78	98	5,224	99	52	3,780	9,004
Delaware	5	6	224	2	2	60	284

TABLE LVI.—*Power used in manufactures in certain industries*—Continued.

WOOLEN GOODS—Continued.

States and Territories.	No. of establishments.	WATER-POWER.		STEAM-POWER.			Total steam and water horse-power.
		No. of wheels.	Horse-power.	No. of boilers.	No. of engines.	Horse-power.	
Georgia	32	33	356	2	2	31	387
Illinois	53	8	191	54	43	1,407	1,598
Indiana	81	27	577	69	59	2,171	2,748
Iowa	34	22	550	18	16	377	927
Kansas	5	3	153	3	2	65	218
Kentucky	95	35	564	69	63	1,527	2,091
Maine	93	86	3,406	12	8	404	3,810
Maryland	14	16	322	5	3	120	442
Massachusetts	167	262	16,845	349	150	11,880	28,725
Michigan	39	26	460	13	10	295	755
Minnesota	13	7	302	5	5	61	363
Mississippi	8	2	66	6	5	154	220
Missouri	97	18	225	64	61	1,680	1,905
New Hampshire	58	86	4,179	27	17	767	4,946
New Jersey	27	24	1,114	53	25	2,541	3,655
New York	159	172	4,917	84	42	2,795	7,712
North Carolina	49	39	516	9	8	205	721
Ohio	122	48	851	91	84	2,043	2,894
Oregon	10	10	384	.....	.....	.....	384
Pennsylvania	324	155	2,749	422	204	12,437	15,186
Rhode Island	50	69	3,291	114	45	4,702	7,993
South Carolina	11	10	104	1	1	6	110
Tennessee	106	38	640	18	18	470	1,110
Texas	1	.....	.....	1	1	45	45
Utah	11	11	315	.....	.....	.....	315
Vermont	44	49	2,636	21	8	1,008	3,644
Virginia	48	43	667	1	1	50	717
Washington	1	1	35	.....	.....	.....	35
West Virginia	55	43	576	21	19	591	1,167
Wisconsin	48	44	842	11	9	261	1,103

WOOL HATS.

The United States	43	7	672	102	47	3,320	3,992
Connecticut	3	.....	.....	9	4	350	350
Maine	1	.....	.....	2	1	100	100
Massachusetts	6	.....	.....	13	5	490	490
New York	10	3	600	39	14	1,660	2,260
Pennsylvania	23	4	72	39	23	720	792

WORSTED GOODS.

The United States	76	52	6,302	203	100	10,135	16,437
Connecticut	3	6	331	8	3	165	496
Massachusetts	23	24	3,011	51	20	2,365	5,376
New Hampshire	9	3	1,065	8	9	182	1,247
New Jersey	2	1	20	2	1	60	80
New York	6	11	1,360	8	12	521	1,881
Ohio	1	1	80	.....	.....	.....	80
Pennsylvania	28	2	70	72	38	3,657	3,727
Rhode Island	11	4	365	54	17	3,185	3,550

TABLE LVI.—*Power used in manufactures in certain industries*—Continued.

ALL OTHER INDUSTRIES.

States and Territories.	No. of establishments.	WATER-POWER.		STEAM-POWER.			Total steam and water horse-power.
		No. of wheels.	Horse-power.	No. of boilers.	No. of engines.	Horse-power.	
The United States	30,743	6,860	161,288	29,624	25,070	726,958	888,246
Alabama	58	17	302	48	48	1,052	1,354
Arkansas	85	1	20	42	39	1,124	1,144
California	576	36	657	484	435	11,786	12,443
Colorado	49	1	25	50	49	1,044	1,069
Connecticut	1,194	678	18,488	1,167	839	36,569	55,057
Dakota	11	1	20	9	9	149	169
Delaware	124	39	603	155	133	4,242	4,845
District of Columbia	103	1	27	120	114	1,908	1,935
Florida	14	3	17	14	11	249	266
Georgia	198	41	389	183	175	3,546	3,935
Idaho	3	1	10	3	2	26	36
Illinois	1,966	124	4,253	2,180	1,798	51,654	55,907
Indiana	936	65	2,464	1,047	923	26,780	29,244
Iowa	467	22	526	484	453	8,234	8,760
Kansas	105	6	159	105	98	1,733	1,892
Kentucky	327	7	180	386	372	9,390	9,570
Louisiana	146	2	7	223	190	5,110	5,117
Maine	673	499	13,539	434	344	8,560	22,099
Maryland	540	36	864	638	542	15,357	16,221
Massachusetts	3,656	865	22,177	2,800	2,223	70,504	92,681
Michigan	1,062	132	3,846	1,004	911	24,386	28,232
Minnesota	280	14	289	258	230	6,299	6,588
Mississippi	58	4	32	64	56	1,426	1,458
Missouri	562	.....	5	746	615	19,648	19,653
Montana	12	3	22	11	11	124	146
Nebraska	53	1	20	59	55	721	741
Nevada	8	.....	.....	9	8	120	120
New Hampshire	644	477	11,382	268	231	5,938	17,320
New Jersey	1,253	157	3,915	1,470	1,192	42,449	46,364
New Mexico	1	.....	.....	1	1	30	30
New York	6,543	1,878	43,345	5,480	4,762	142,426	185,771
North Carolina	148	53	546	120	109	2,101	2,647
Ohio	2,640	155	2,900	2,818	2,565	73,634	76,534
Oregon	98	39	821	64	64	1,084	1,905
Pennsylvania	3,574	575	9,048	4,226	3,468	93,691	102,739
Rhode Island	320	27	780	478	271	10,351	11,131
South Carolina	95	21	259	157	123	3,708	3,967
Tennessee	209	43	552	209	184	5,052	5,604
Texas	113	6	23	122	116	2,695	2,718
Utah	36	21	186	18	18	311	497
Vermont	593	565	12,441	216	155	4,904	17,345
Virginia	398	121	2,480	355	332	6,867	9,347
Washington	23	12	240	12	15	219	459
West Virginia	161	5	26	191	169	4,349	4,375
Wisconsin	677	106	3,403	695	611	15,378	18,781
Wyoming	1	.....	.....	1	1	30	30

MINING.

PRECIOUS METALS.

The output of the precious metals for the year ending May 31, 1880, was $33,379,663 gold and $41,110,957 silver—a total of $74,490,620 (coining value). Although these figures are somewhat less than those reached in three or four exceptional years, they represent a yield considerably higher than the average annual product. From the beginning of mining operations, in 1804, up to the above date over a billion and a half of gold and nearly half a billion of silver were produced, and the vast importance of this element of the national resources is shown by the fact that one-third of the gold and one-half of the silver yearly produced in the world are mined within our borders.

While the Comstock lode, the former great producer of the country, has a greatly decreased output, this loss is compensated by a corresponding increase in other regions, notably the Leadville district, Colorado. As a whole, the mining industry of the country is in a healthy state, and the product of the precious metals in the future promises to show a regular and permanent increase.

The bullion product of the deep mines of the United States for the year under review amounted to 35 tons 900 pounds avoirdupois (1,033,974.6 ounces troy) of fine gold and 1,087 tons 900 pounds avoirdupois (31,717,297 ounces troy) of fine silver. That of the placer mines weighed 19 tons 1,824 pounds avoirdupois (580,766.6 ounces troy) in fine gold, with which were alloyed 2 tons 1,498 pounds avoirdupois (80,177.3 ounces troy) of silver. The total weight of fine bullion was no less than 55 tons 724 pounds avoirdupois (1,614,741.2 ounces troy) of gold and 1,090 tons 398 pounds avoirdupois (31,797,474.3 ounces troy) of silver. These huge figures may be better grasped, perhaps, by considering that the gold represents five ordinary car-loads, while a train of 109 freight cars of the usual capacity would be required to transport the silver. Historians have stated that during the early Spanish occupation whole galleons were freighted exclusively with silver from the mines of Mexico and Peru. This would hardly seem to be an exaggeration, in view of the fact that the present annual product of the United States would suffice to form the full cargo of a large modern vessel.

The total product of each state and territory, including the silver contents of placer gold, appears in Table LVII, which shows the aggregate bullion output of the United States for the census year.

TABLE LVII.—PRECIOUS METALS—*Gold and silver product of the*

	State or Territory.	DEEP MINES.				
		Gold.		Silver.		Total.
		Ounces.	*Dollars.*	*Ounces.*	*Dollars.*	*Dollars.*
	Total	1,033,974.6	21,374,152	31,717,297	41,007,296	62,381,44[illegible]
1	Alabama	62.9	1,301	.....	.....	1,301
2	Alaska	.....	.....	.....	.....	.....
3	Arizona	*a* 8,802.6	*a* 181,966	*a* 1,798,722	*a* 2,325,568	*a* 2,507,534
4	California	414,571.7	8,569,959	837,354	1,082,616	9,652,575
5	Colorado	125,685.7	2,598,153	12,799,067	16,547,913	19,146,066
6	Dakota	157,450.8	3,254,984	54,577	70,563	3,325,547
7	Georgia	685.3	14,166	.....	.....	14,166
8	Idaho	29,025.4	600,009	347,676	449,510	1,049,519
9	Maine	145.1	2,999	5,569	7,200	10,199
10	Michigan	.....	.....	*a* 20,000	*a* 25,858	*a* 25,858
11	Montana	31,098.4	642,861	2,240,597	2,896,869	3,539,730
12	Nevada	234,050.0	4,838,243	9,614,230	12,430,239	17,268,482
13	New Hampshire	532.1	10,999	12,375	16,000	26,999
14	New Mexico	2,387.5	49,354	303,455	392,337	441,691
15	North Carolina	5,527.7	114,267	77	100	114,367
16	Oregon	8,289.8	171,365	15,165	19,607	190,972
17	South Carolina	314.4	6,499	.....	.....	6,499
18	Tennessee	96.7	1,998	.....	.....	1,998
19	Utah	13,138.0	271 587	3,668,433	4,742,916	5,014,503
20	Virginia	450.9	9,321	.....	.....	9,321
21	Washington	812.7	16,800	.....	.....	16,800
22	Wyoming	837.9	17,321	.....	.....	17,321

a Estimated.

It appears that of the ore mined during the census year 91.39 per cent. in tonnage was treated at the reduction works and 8.61 per cent. was left on the dumps. The average result of working treatment, as compared with assay value, was 81.86 per cent. of the gold contents, 79.68 per cent. of the silver, and 80.40 per cent. in all. Notwithstanding the large number of estimated amounts entering into the calculation, these results are probably a very close approximation to the truth. The highest average yield was from the Arizona ores, amounting to $7 01 gold, $86 24 silver, and $93 25 total per ton. Of the localities producing any considerable amount of bullion Dakota, with an average of $6 33 gold, $0 14 silver, and $6 47 total per ton, appears as the region where low-grade gold ores are worked to the best advantage, the per-

United States for the year ending May 31, 1880.

PLACER MINES.					ALL PRECIOUS-METAL MINES.					
Gold.		Silver.		Total.	Gold.		Silver.		Total.	
Ounces.	*Dollars.*	*Ounces.*	*Dolls.*	*Dollars.*	*Ounces.*	*Dollars.*	*Ounces.*	*Dollars.*	*Dollars.*	
580, 766. 6	12, 005, 511	80, 177. 3	103, 661	12, 109, 172	1,614,741.2	33, 379, 663	31,797,474.3	41, 110, 957	74, 490, 620	
.....	.....	.....	.....	.....	62.9	1, 301	.....	.....	1, 301	1
287. 9	5, 951	*a* 39. 4	*a* 51	6, 002	287.0	5, 951	39.4	51	6, 002	2
a 1, 451. 2	*a* 29, 999	*a* 198. 8	*a* 257	*a* 30, 256	*a* 10,253.8	*a* 211, 965	*a*1,798,920.8	*a*2,325, 825	*a*2,537, 790	3
415, 105. 0	8, 580, 982	52, 804. 2	68, 271	8, 649. 253	829,676.7	17, 150, 941	890,158.2	1, 150, 887	18, 301, 828	4
4, 921. 9	101, 745	1, 052. 8	1, 361	103, 106	130,607.6	2, 699, 898	12,800,119.8	16, 549, 274	19, 249, 172	5
2, 460. 3	50, 859	193. 1	250	51, 109	159,920.1	3, 305, 843	54,770.1	70, 813	3, 376, 656	6
3, 234. 5	66, 863	256. 6	332	67, 195	3,910.8	81, 029	256.6	332	81, 361	7
42, 552. 8	879, 644	11, 633. 1	15, 040	894, 684	71,578 2	1, 479, 653	359,309.1	464, 550	1, 944, 203	8
.....	.....	.....	.....	.....	145.1	2, 999	5,569.0	7, 200	10, 199	9
.....	.....	.....	.....	.....	.....	.....	*a* 20,000.0	*a* 25, 858	*a* 25, 858	10
56, 255. 6	1, 162, 906	6, 341. 4	8, 199	1, 171, 105	87,354.0	1, 805, 767	2,246,938.4	2, 905, 068	4, 710, 835	11
a 2, 418. 7	*a* 49, 999	*a* 331. 3	*a* 428	*a* 50, 427	236,468.7	4, 888, 242	9,614,561.3	12, 430, 667	17, 318, 909	12
.....	.....	.....	.....	.....	532 1	10, 999	12,375.0	16, 000	26, 999	14
.....	.....	.....	.....	.....	2,387.5	49, 354	303,455.0	392, 337	441, 691	14
a 226. 7	*a* 4, 686	*a* 31. 0	*a* 40	*a* 4, 726	5,754.4	118, 953	108.0	140	119, 093	15
44, 811. 5	926, 336	6, 331. 2	8, 186	934, 522	53,101.3	1, 097, 701	21,496.2	27, 793	1, 125, 494	16
316. 4	*a* 6, 541	*a* 43. 3	*a* 56	*a* 6, 597	630.8	13, 040	43.3	56	13, 096	17
.....	.....	.....	.....	.....	96.7	1, 998	.....	.....	1, 998	18
a 967. 5	*a* 20, 000	*a* 132. 5	*a* 171	*a* 20, 171	14,105 5	291, 587	3,668,565.5	4, 743, 087	5, 034, 674	19
.....	.....	.....	.....	.....	450.9	9, 321	.....	.....	9, 321	20
a 5, 756. 6	*a* 119, 000	*a* 788. 6	*a* 1, 019	*a* 120, 019	6,569.3	135, 800	788.6	1, 019	136, 819	21
.....	.....	.....	.....	.....	837.9	17, 321	.....	.....	17, 321	22

a Estimated.

centage of yield to assay value being 82.10 per cent. in gold, 42.42 per cent. in silver, and 80.47 per cent. total.

The relative quota contributed by each of the three great arbitrary divisions into which the country was apportioned in collecting the statistics is indicated in the accompanying abstract, from which it will be seen that the Pacific division furnishes 75.68 per cent. of the gold, 51.43 per cent. of the silver, and 62.30 per cent. of the total. The division of the Rocky mountains yields 23.60 per cent. of the gold, 48.45 per cent. of the silver, and 37.31 per cent. of the total. The product of the Eastern division represents 0.72 per cent. of the gold, 0.12 per cent. of the silver, and 0.39 per cent. of the total.

TABLE LVIII.—PRECIOUS METALS—*Production by geographical divisions.*

PACIFIC DIVISION.

State or Territory.	Product.		
	Gold.	Silver.	Total.
	Dollars.	*Dollars.*	*Dollars.*
Total	25,261,840	21,143,879	46,405,719
Alaska	5,951	51	6,002
Arizona	211,965	2,325,825	2,537,790
California	17,150,941	1,150,887	18,301,828
Idaho	1,479,653	464,550	1,944,203
Nevada	4,888,242	12,430,667	17,318,909
Oregon	1,097,701	27,793	1,125,494
Utah	291,587	4,743,087	5,034,674
Washington	135,800	1,019	136,819

DIVISION OF THE ROCKY MOUNTAINS.

Total	7,878,183	19,917,492	27,795,675
Colorado	2,699,898	16,549,274	19,249,172
Dakota	3,305,843	70,813	3,376,656
Montana	1,805,767	2,905,068	4,710,835
New Mexico	49,354	392,337	441,691
Wyoming	17,321	.....	17,321

EASTERN DIVISION.

Total	239,640	49,586	289,226
Alabama	1,301	.....	1,301
Georgia	81,029	332	81,361
Maine	2,999	7,200	10,199
Michigan	.....	25,858	25,858
New Hampshire	10,999	16,000	26,999
North Carolina	118,953	140	119,093
South Carolina	13,040	56	13,096
Tennessee	1,998	.....	1,998
Virginia	9,321	.....	9,321

SUMMARY.

Total	33,379,663	41,110,957	74,490,620
Pacific division	25,261,840	21,143,879	46,405,719
Division of the Rocky mountains	7,878,183	19,917,492	27,795,675
Eastern division	239,640	49,586	289,226

An examination of the tenor of placer gold has resulted in fixing the average fineness for the United States at 0.876, and it is found that the placers produce over $100,000 of silver annually, in alloy with the gold, an item hitherto disregarded by statisticians.

TABLE LIX.—PRECIOUS METALS—*Percentage of placer gold and gold from deep mines in total gold product.*

State or Territory.	Hydraulic, placer, drift, and river mines.	Deep mines.	State or Territory.	Hydraulic, placer, drift, and river mines.	Deep mines.
Alabama	.....	100.00	New Mexico	.....	100.00
Alaska	100.00	.....	North Carolina	3.94	96.06
Arizona	14.15	85.85	Oregon	84.39	15.61
California	50.03	49.97	South Carolina	50.16	49.84
Colorado	3.77	96.23	Tennessee	.....	100.00
Dakota	1.54	98.46	Utah	6.86	93.14
Georgia	82.52	17.48	Virginia	.....	100.00
Idaho	59.45	40.55	Washington	87.63	12.37
Maine	.....	100.00	Wyoming	.....	100.00
Montana	64.40	35.60			
Nevada	1.02	98.98	United States (including Alaska).	36.06	64.03
New Hampshire	.....	100.00			

The leading mining states are Colorado, California, and Nevada, followed by the territories of Utah, Montana, Dakota, Arizona, and Idaho, in the order named. The proportionate amounts of gold and of silver furnished by each vary greatly. Thus, while Colorado produces 40 per cent. of all the silver in the United States, she yields but 8 per cent. of the gold. California, on the other hand, the source of over half of the gold, yields less than 3 per cent. of the silver. A similar divergence is observed in other portions of the mining region, the two precious metals occurring side by side, but often in widely disproportionate quantities.

TABLE LX.—PRECIOUS METALS—*Relative production of the States and Territories.*

State or Territory.	GOLD.			Silver.	Total.
	Placer mines.	Deep mines.	Total gold.		
	Per cent.	*Per cent.*	*Per cent.*	*Per cent.*	*Per cent.*
Alabama	.....	0.01	0.01	.....	.....
Alaska	0.05	.....	0.02	.....	.....
Arizona	0.25	0.85	0.63	5.66	3.40
California	71.47	40.09	51.38	2.80	24.57
Colorado	0.85	12.16	8.09	40.25	25.84
Dakota	0.42	15.23	9.90	0.17	4.53
Georgia	0.56	0.07	0.24	.....	0.11
Idaho	7.33	2.81	4.43	1.13	2.61
Maine	.....	0.01	0.01	0.02	0.01
Michigan	.....	.....	.....	0.06	0.03
Montana	9.69	3.01	5.41	7.07	6.34
Nevada	0.42	22.64	14.64	30.24	23.27
New Hampshire	.....	0.05	0.03	0.04	0.04
New Mexico	.....	0.23	0.15	0.95	0.59
North Carolina	0.04	0.53	0.36	.....	0.16
Oregon	7.71	0.80	3.29	0.07	1.51
South Carolina	0.05	0.03	0.04	.....	0.02
Tennessee	.....	0.01	0.01	.....	.....
Utah	0.17	1.27	0.87	11.54	6.76
Virginia	.....	0.04	0.03	.....	0.01
Washington	0.99	0.08	0.41	.....	0.18
Wyoming	.....	0.08	0.05	.....	0.02
Total	100.00	100.00	100.00	100.00	100.00

The study of the relation of production to population develops some curious figures, ranging from an average of one mill per capita in Alabama to $278 14 per capita in Nevada, the intervening series indicating with great precision to what extent mining is a factor of wealth in the several localities.

The product per square mile varies from 1 cent in the case of Alaska to $185 20 in that of Colorado, the intermediate averages forming another standard of developed mineral resources, so far as the precious metals are concerned, from a different point of view, but roughly corresponding to that of the relation of production to population.

TABLE LXI.—PRECIOUS METALS—*Average product of gold and silver per capita and per square mile.*

States and Territories.	AVERAGE PRODUCT.					
	Per capita.			Per square mile.		
	Gold.	Silver.	Total.	Gold.	Silver.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Alabama	0.001	.....	0.001	0.02	.....	0.02
Alaska	0.200	.....	0.200	0.01	.....	0.01
Arizona	5.240	57.510	62.750	1.87	20.580	22.45
California	19.830	1.330	21.160	108.30	7.270	115.57
Colorado	13.890	85.160	99.050	25.98	159.240	185.22
Dakota	24.460	0.520	24.980	22.17	0.480	22.65
Georgia	0.050	0.0002	0.050	1.36	0.010	1.37
Idaho	45.370	14.250	59.620	17.45	5.480	22.93
Maine	0.005	0.011	0.016	0.09	0.220	0.31
Michigan	.....	0.020	0.020	.....	0.440	0.44
Montana	46.110	74.190	120.300	12.36	19.890	32.25
Nevada	78.510	199.630	278.140	44.16	112.290	156.45
New Hampshire	0.030	0.050	0.080	1.18	1.720	2.90
New Mexico	0.410	3.280	3.690	0.40	3.200	3.60
North Carolina	0.080	0.0001	0.080	2.28	0.003	2.28
Oregon	6.280	0.160	6.440	11.43	0.290	11.72
South Carolina	0.010	.....	0.010	0.43	.....	0.43
Tennessee	0.001	.....	0.001	0.05	.....	0.05
Utah	2.030	32.940	34.970	3.43	55.820	59.25
Virginia	0.006	.....	0.006	0.22	.....	0.22
Washington	1.810	.....	1.810	1.96	0.015	1.98
Wyoming	0.830	.....	0.830	0.18	.....	0.18
United States (including Alaska)	0.660	0.820	1.480	9.31	11.440	20.75
United States (not including Alaska)	0.660	0.820	1.480	11.03	13.590	24.62
United States (including only the states and territories producing gold and silver, with Alaska).	2.600	3.200	5.800	14.68	18.020	32.70
United States (including only the states and territories producing gold and silver, and not including Alaska).	2.610	3.210	5.820	19.44	23.940	43.38
Average for Colorado, California, Nevada, Utah, Montana, Dakota, Arizona, and Idaho.	21.040	26.870	47.910	33.47	42.740	76.21

TABLE LXII.—PRECIOUS METALS—*Rank of the States and Territories in production of the precious metals.*

In actual product.			In product per capita.			In product per square mile.		
Gold.	Silver.	Total.	Gold.	Silver.	Total.	Gold.	Silver.	Total.
1. California.	1. Colorado.	1. Colorado.	1. Nevada.	1. Nevada.	1. Nevada.	1. California.	1. Colorado.	1. Colorado.
2. Nevada.	2. Nevada.	2. California.	2. Montana.	2. Colorado.	2. Montana.	2. Nevada.	2. Nevada.	2. Nevada.
3. Dakota.	3. Utah.	3. Nevada.	3. Idaho.	3. Montana.	3. Colorado.	3. Colorado.	3. Utah.	3. California.
4. Colorado.	4. Montana.	4. Utah.	4. Dakota.	4. Arizona.	4. Arizona.	4. Dakota.	4. Arizona.	4. Utah.
5. Montana.	5. Arizona.	5. Montana.	5. California.	5. Utah.	5. Idaho.	5. Idaho.	5. Montana.	5. Montana.
6. Idaho.	6. California.	6. Dakota.	6. Colorado.	6. Idaho.	6. Utah.	6. Montana.	6. California.	6. Idaho.
7. Oregon.	7. Idaho.	7. Arizona.	7. Oregon.	7. New Mexico.	7. Dakota.	7. Oregon.	7. Idaho.	7. Dakota.
8. Utah.	8. New Mexico.	8. Idaho.	8. Arizona.	8. California.	8. California.	8. Utah.	8. New Mexico.	8. Arizona.
9. Arizona.	9. Dakota.	9. Oregon.	9. Utah.	9. Dakota.	9. Oregon.	9. N. Carolina.	9. Dakota.	9. Oregon.
10. Washington.	10. Michigan.	10. New Mexico.	10. Washington.	10. Oregon.	10. New Mexico.	10. Washington.	10. Michigan.	10. New Mexico.
11. N. Carolina.	11. Oregon.	11. Washington.	11. Wyoming.	11. N. Hampshire.	11. Washington.	11. Arizona.	11. Maine.	11. N. Hampshire.
12. Georgia.	12. N. Hampshire.	12. N. Carolina.	12. New Mexico.	12. Michigan.	12. Wyoming.	12. Georgia.	12. Oregon.	12. N. Carolina.
13. New Mexico.	13. Maine.	13. Georgia.	13. Alaska.	13. Maine.	13. Alaska.	13. N. Hampshire.	13. N. Carolina.	13. Washington.
14. Wyoming.		14. N. Hampshire.	14. N. Carolina.		14. N. Carolina.	14. S. Carolina.		14. Georgia.
15. S. Carolina.		15. Michigan.	15. Georgia.		15. N. Hampshire.	15. New Mexico.		15. Michigan.
16. N. Hampshire.		16. Wyoming.	16. N. Hampshire.		16. Georgia.	16. Virginia.		16. S. Carolina.
17. Virginia.		17. S. Carolina.	17. S. Carolina.		17. Michigan.	17. Wyoming.		17. Maine.
18. Alaska.		18. Maine.	18. Virginia.		18. Maine.	18. Maine.		18. Virginia.
19. Maine.		19. Virginia.	19. Maine.		19. S. Carolina.	19. Tennessee.		19. Wyoming.
20. Tennessee.		20. Alaska.	20. Tennessee.		20. Tennessee.	20. Alabama.		20. Tennessee.
21. Alabama.		21. Tennessee.	21. Alabama.		21. Virginia.	21. Alaska.		21. Alabama.
		22. Alabama.			22. Alabama.			22. Alaska.

In addition to the returns received directly from the mines there are several minor points to be included in the total yield. A larger item than it is usually considered to be is the annual hoarding of rich specimens. This is not accounted for in the mine production as reported. While it is impossible to state the actual amount thus absorbed with any degree of precision, a careful estimate would place the value of the gold nuggets and ore annually added to the cabinets of collectors at not less than $150,000, and that of the silver ore at about $50,000. This, in view of the great number of mineral collections maintained throughout the mining territory, is certainly not an overestimate. There is also quite an extensive manufacture of gold quartz into jewelry and souvenirs, particularly in San Francisco. The value so absorbed probably does not fall short of $50,000 annually. In 1870 the United States mining commissioner estimated the amount of gold hoarded as specimens or worked up by local jewelers at $400,000. The same authority at that period estimated the annual loss of gold dust in handling as currency at $100,000; but as the practice of using dust for money has almost disappeared, the amount so lost is now very small. Another indefinite quantity is the value of precious metal lost in melting, in assay grains, etc. Summing up the estimates for these additional items, the following result is reached:

TABLE LXIII.—PRECIOUS METALS—*Production unaccounted for in the preceding tables.*

	Gold.	Silver.	Total.
	Dollars.	*Dollars.*	*Dollars.*
Total	33, 609, 663	41, 170, 957	74, 780, 620
Bullion product shown in preceding tables	33, 379, 663	41, 110, 957	74, 490, 620
Estimated value of specimens hoarded	150, 000	50, 000	200, 000
Estimated value of gold quartz made into jewelry and souvenirs	50, 000	.....	50, 000
Estimated value of gold dust lost in handling as currency	10, 000	.....	10, 000
Estimated loss in melting and assaying, assay grains, etc	20, 000	10, 000	30, 000

NON-PRECIOUS MINERALS.

TABLE LXIV.—*Condensed statement of mineral production of regular mining establishments of non-precious minerals for the United States, by substances:* 1880.

Minerals.	Number of states and territories.	Number of counties.	Number of establishments.	Tons of 2,000 pounds produced in census year 1880.	Value of product.	Value of materials consumed.
					Dollars.	*Dollars.*
Total	.....	.....	4, 520	.....	131, 494, 788	16, 838, 239
Bituminous coal	24	335	2, 990	41, 860, 055	52, 427, 868	4, 860, 493
Anthracite coal	3	10	277	*a* 28, 621, 371	42, 139, 740	6, 732, 592
Iron ore	23	160	805	7, 064, 829	20, 470, 756	2, 896, 011
Copper ore	21	27	53	1, 007, 245	8, 886, 295	1, 391, 826
Lead and zinc	10	29	206	177, 008	4, 182, 685	331, 970
Minor minerals	21	107	189	.....	3, 387, 444	625, 347

Minerals.	Men employed.	Boys employed.	Total hands employed.	Wages paid annually.	Number of steam-engines.	Horse-power of steam-engines.	Value of all machinery, including engines.	Capital employed and invested.
	No.	*No.*	*No.*	*Dollars.*			*Dollars.*	*Dollars.*
Total	195, 968	24, 507	220, 475	71, 992, 502	3, 732	182, 051	22, 915, 274	364, 909, 324
Bituminous coal	93, 957	6, 159	100, 116	32, 601, 460	855	26, 168	2, 668, 861	103, 109, 807
Anthracite coal	54, 616	16, 132	70, 748	22, 693, 407	1, 667	105, 807	13, 915, 915	154, 504, 336
Iron ore	30, 080	1, 588	31, 668	9, 538, 117	821	24, 838	3, 211, 558	61, 782, 287
Copper ore	5, 966	292	6, 258	3, 214, 031	136	13, 541	2, 634, 600	31, 807, 596
Lead and zinc	7, 323	160	7, 483	2, 640, 265	167	6, 739	484, 340	7, 442, 983
Minor minerals	4, 026	176	4, 202	1, 305, 222	86	4, 958	.....	6, 262, 315

a Anthracite irregular, 28,441 tons, valued at $56,938.

The above table was compiled with a view to the comparison of the economic features of the industries in 1880 and 1870, and consequently it covers the production of the regular mining establishments only, excluding the "farmers' mines". From these last, 5,368 returns were received, aggregating 909,877 tons of iron ore and 916,569 tons of bituminous coal.

The statistics of the copper-mining industry, as given in the table, are restricted to the production of the country east of the 100th meridian. The copper mining in Arizona, California, etc., results not in the production of copper alone, but in that of "copper matte", a mixture of copper and other metals, which is sold in the East to be refined. The copper ore east of the 100th meridian is, however, valuable for the copper

alone, with few exceptions. The amount of copper produced from both sources, as taken from the statistics of smelting establishments, is 54,172,017 pounds metallic copper, of which 9,041,884 pounds were refined in eastern works and 45,130,133 pounds smelted in western works (all lake Superior).

The statistics of lead and zinc, which are given together, for the reason that in the northwestern districts—Illinois, Iowa, and Wisconsin—they are generally produced from the same mine, cover all the mining returns where either of these metals was the main product. The mining returns of the northwestern districts, where it was out of the question to gather the full statistics from the miners themselves, for various reasons, especially on account of the irregular and constantly shifting character of the local industry, have been increased to make them correspond to the amounts of lead and zinc ore which the smelters' returns showed were produced there during the census year. The total annual yield of these metals, taken from the statistics of the smelting establishments, is as follows:

LEAD.

	Pounds.
Smelted from ores	66,970,838
Refined from base bullion, the principal value of which was silver	95,967,267
Total yield of metallic lead, census year	162,938,105

ZINC.

Metallic zinc or spelter	46,477,999
Zinc oxide (produced in chemical works from ore, 20,213,631 pounds), equivalent to metallic zinc	16,203,460
Total yield of metallic zinc, census year	62,681,459

RECAPITULATION.

The grand total of the production of the non-precious minerals embraced in this report would therefore be, bringing together the regular industrial production, the irregular production, and the production as a by-product in precious-metal mining, as follows:

	Tons.	Dollars.
Anthracite coal (*a*)	28,649,812	42,196,678
Bituminous coal, regular product (*b*)	41,860,055	52,427,868
Bituminous coal, irregular product	916,569	1,092,305
Total coal	71,426,436	95,716,851
Iron ore, regular product	7,064,829	20,470,756
Iron ore, irregular product	909,877	2,686,201
Total iron ore	7,974,706	23,156,957
	Pounds.	Dollars.
Metallic copper	54,172,017	9,458,434
Metallic lead	162,938,105	7,935,140
Metallic zinc	62,681,459	4,240,006
Minor minerals		3,387,444
Total value of all non-precious mineral product		143,894,832

a Includes irregular product.
b Includes the coal and lignite mined west of the 100th meridian. With this exception the product from east of that line.

TABLE LXV.—NON-PRECIOUS MINERALS—*Averages applicable to mineral products from regular establishments from census of* 1870 *and* 1880 *in the United States.*

Kind of mineral product.	Value of machinery per ton raised yearly, 1880.	Value of machinery per dollar of product yearly, 1880.	Tons raised yearly per horse-power of engines, 1880.	Tons raised yearly per horse-power of engines, 1870.	Value produced per horse-power of engines, 1880.	Value produced per horse-power of engines, 1870.	Material used per ton, 1880.	Material used per ton, 1870.
Anthracite coal	0.49	0.33	271.0	320.0	398.0	786.0	0.24	0.23
Bituminous coal	0.06	0.05	1,600.0	1,287.0	2,004.0	2,622.0	0.12	0.12
Iron ore	0.45	0.16	284.0	396.0	824.0	1,540.0	0.41	0.38
Copper ore	2.62	0.30	74.0	111.0	656.0	823.0	1.38	0.84
Lead and zinc	2.74	0.12	26.0	.....	621.0	1,600.0	1.88	.....
Total mineral product, including minor minerals.	0.29	0.17	432.0	472.0	722.0	1,186.0	0.21	0.21

Kind of mineral product.	Wages paid per ton, 1880.	Wages paid per ton, 1870.	Values produced per hand per year, 1880.	Values produced per hand per year, 1870.	Tons raised per hand per year, 1880.	Tons raised per hand per year, 1870.	Wages paid per hand per year, 1880.	Wages paid per hand per year, 1870.
Anthracite coal	0.79	1.47	596.0	725.0	405.0	295.0	321.0	433.0
Bituminous coal	0.78	1.24	524.0	841.0	418.0	413.0	326.0	511.0
Iron ore	1.35	2.01	646.0	879.0	223.0	226.0	301.0	455.0
Copper ore	3.19	3.83	1,420.0	962.0	161.0	133.0	514.0	501.0
Lead and zinc	14.92	.....	559.0	890.0	24.0	.....	353.0	350.0
Total mineral product, including minor minerals.	0.91	1.47	596.0	833.0	357.0	332.0	327.0	489.0

Kind of mineral product.	Per cent. of value of production paid for labor, 1880.	Per cent. of value of production paid for labor 1870.	Per cent. of value of production paid for material, 1880.	Per cent. of value of production paid for material, 1870.	Capital necessary for dollar of production yearly, 1880.	Capital necessary for dollar of production yearly, 1870.	Value of product per ton, 1880.	Value of product per ton, 1870.	Number of boys to one hundred men, 1880.	Number of boys to one hundred men, 1870.
Anthracite coal	53.9	59.8	15.9	9.4	3.67	1.33	1.47	2.46	29.5	20.6
Bituminous coal	62.2	60.8	9.3	5.9	1.97	1.68	1.25	2.04	6.6	2.7
Iron ore	46.6	51.8	14.1	9.7	3.02	1.35	2.90	3.89	5.3	2.4
Copper ore	36.2	52.0	15.7	11.3	3.58	1.50	8.82	7.37	4.9	3.3
Lead and zinc	63.1	39.4	7.9	5.2	1.78	1.99	23.63	.....	2.2	3.2
Total mineral product, including minor minerals.	54.6	59.0	12.8	8.0	2.78	1.50	1.67	2.51	12.5	10.0

TABLE LXVI.—NON-PRECIOUS MINERALS—*Percentage of gain per ton in mineral products in the United States since the census of* 1870.

Kind of product.	Increase in number of men employed.	Increase in number of boys employed.	Increase in number of total employes.	Increase in value of entire product.	Increase of tonnage of product.	Increase in value of materials used.	Change in yearly earning paid per hand.	Change in total wages paid.
Anthracite coal	24.1	77.6	33.2	9.5	82.7	87.0	*a* 25.9	*a* 1.4
Bituminous coal	131.7	455.9	140.3	49.7	143.4	135.0	*a* 36.2	53.1
Iron ore	105.9	347.3	110.8	55.0	108.1	126.3	*a* 33.8	39.5
Copper ore	14.0	70.8	15.8	70.8	43.0	137.2	2.6	18.8
Lead and zinc	340.9	201.9	336.6	174.3	.....	321.9	0.9	339.6
Total mineral products, including minor minerals.	84.1	126.7	88.0	41.0	113.2	85.6	*a* 29.3	31.6

Kind of product.	Increase in total capital.	Increase in horse-power of engines.	Change in value of yearly product per hand.	Increase in tonnage raised yearly per hand.	Change in per cent. of value of product paid for labor.	Change in per cent. of value of product paid for materials.	Change in price per ton of product.
Anthracite coal	202.9	116.2	*a* 17.8	37.3	*a* 5.9	6.5	*a* 40.2
Bituminous coal	74.8	95.9	*a* 37.7	1.2	1.4	3.4	*a* 38.7
Iron ore	247.6	189.7	*a* 26.5	*a* 1.3	*a* 5.2	4.4	*a* 25.4
Copper ore	308.3	114.3	47.6	26.8	*a* 15.8	4.4	19.3
Lead and zinc	145.8	607.1	*a* 37.2	.....	23.7	2.7	.....
Total mineral product, including minor minerals.	158.3	117.9	*a* 24.2	14.5	*a* 3.9	2.6	32.8

a Decrease.

In the two preceding tables the values of 1870 are, of course, reckoned in the currency of the period. As remarked before, the industries considered are the mining industries proper, which are limited to the work of extracting the mineral from the ground and such preparation or dressing on the spot as is necessary to fit it for transportation. When an industry is compound, embracing both mining and manufacturing, as, for instance, when a furnace company mines ore and reduces it to the state of pig iron, that part of the return which relates to manufacturing has been carefully eliminated.

The "irregular production" by persons whose chief business was not mining does not enter into the totals in Table LXIV, and was probably not included in the returns of 1870, at least in the case of the bituminous coal industry, since it is made up of very small individual contributions.

For the purposes of comparison, the irregular product of iron ore in 1880 is also excluded from Table LXV.

In the volume on Industrial Statistics, census of 1870, the Superintendent remarks that the iron ore raised that year was understated by an amount corresponding closely to the "irregular product".

The copper, lead, and zinc statistics, as compiled from the census of 1870, correspond very closely in extent and scope to the statistics of those industries as given in Table LXIV for 1880.

Therefore Tables LXV and LXVI present, as nearly as possible, a correct general view of the advance in the mining industries during the past decade.

The amounts of copper ore and rock mined were not specified in the census of 1870, but only the value of the product. For the purpose of comparison, the weight of the ore and rock has been obtained from independent sources. It will be observed that this is the only mineral product which has increased in value per unit since 1870. This is owing to the increase in the percentage of metal contained in the rock raised in the Lake Superior region, the leading mine being exceptionally fortunate in this respect.

The weight of lead and zinc ore was not specified in the census of 1870, and no sufficient data have been obtained to estimate it. It is therefore necessarily omitted in the comparison tables.

No computations have been made in the returns of the minor minerals, as they embrace so many materials of different natures. The minor mineral production is, however, included in the total, though not large enough to affect the percentages.

TABLE LXVII.—NON-PRECIOUS MINERALS—*Product of the non-precious*

	States and Territories.	Anthracite coal.	Value.	Bituminous coal.	Value.	Iron ore.	Value.
		Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*
	The United States	a28,621,371	42, 139, 740	41, 860, 055	52, 427, 868	7, 064, 829	20, 470, 756
1	Alabama			322, 934	475, 559	184, 110	189, 108
2	Alaska						
3	Arizona						
4	Arkansas			14, 778	33, 535		
5	California			236, 950	663, 013		
6	Colorado			462, 747	1, 041, 350		
7	Connecticut					35, 018	147, 799
8	Delaware					2, 726	6, 553
9	Georgia			154, 644	231, 605	72, 705	120, 692
10	Idaho						
11	Illinois			6, 089, 514	8, 739, 755		
12	Indiana			1, 449, 496	2, 143, 093		
13	Iowa			1, 442, 333	2, 473, 155		
14	Kansas			763, 597	1, 498, 168		
15	Kentucky			935, 857	1, 123, 046	33, 522	88, 930
16	Maine					6, 000	9, 000
17	Maryland			2, 227, 844	2, 584, 455	57, 940	118, 050
18	Massachusetts					62, 637	226, 130
19	Michigan			100, 800	224, 500	1, 837, 712	6, 034, 648
20	Missouri			543, 990	1, 037, 100	386, 197	1, 674, 875
21	Montana			224	800		
22	Nebraska			200	750		
23	Nevada						
24	New Hampshire						
25	New Jersey					754, 872	2, 900, 442
26	New Mexico						
27	New York					1, 239, 759	3, 499, 132
28	North Carolina			350	400	3, 276	5, 102
29	Ohio			5, 932, 853	7, 629, 488	198, 835	448, 000
30	Oregon			43, 205	97, 810	6, 972	4, 669
31	Pennsylvania	28, 612, 595	42, 116, 500	18, 075, 548	18, 267, 151	1, 820, 561	4, 318, 909
32	Rhode Island	6, 176	15, 440				
33	South Carolina						
34	Tennessee			494, 491	628, 954	89, 933	129, 951
35	Texas						
36	Vermont					560	2, 750
37	Virginia	2, 600	7, 800	40, 520	92, 837	169, 683	384, 331
38	Washington			145, 015	389, 046		
39	West Virginia			1, 792, 870	1, 971, 847	60, 371	88, 595
40	Wisconsin					41, 440	73, 000
41	Wyoming			589, 595	1, 080, 451		

a Irregular product of anthracite

TABLE LXVIII.—*The mineral products by certain industrial fields:* 1880.

ANTHRACITE COAL.

	Regions.	Product.	Value.
		Tons.	*Dollars.*
1	Pennsylvania	28, 612, 595	42, 116, 500

BITUMINOUS COAL.

1	Western Pennsylvania	12, 852, 664	12, 287, 907
2	Ohio and West Virginia	7, 725, 423	9, 601, 335
3	Tennessee and Alabama	817, 425	1, 104, 513
4	Missouri, Kansas, and Iowa	2, 749, 920	5, 008, 423
5	Illinois	6, 089, 514	8, 739, 755
6	Indiana	1, 449, 496	2, 143, 093
7	Maryland	2, 227, 844	2, 584, 455
8	Clearfield, Bradford, and Tioga counties, Pennsylvania	3, 162, 193	3, 836, 335

IRON ORE.

1	Michigan	1, 837, 712	6, 034, 648
2	New York	1, 239, 759	3, 499, 132
3	New Jersey	754, 872	2, 900, 442
4	All others	3, 232, 486	8, 036, 534

mineral industries (regular establishments only) by substances and by States: 1880.

Lead ore.	Value.	Zinc ore.	Value.	Copper ingots.	Value.	Minor minerals.	Value.	Total value of all products.	
Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Pounds.*	*Dollars.*	*Tons.*	*Dollars.*	*Dollars.*	
53, 140	2, 102, 948	123, 868	2, 079, 737	56, 920, 266	8, 886, 295	.....	3, 387, 444	131, 494, 788	
.....	.....	.....	.....	.....	.....	.....	.....	664, 667	1
.....	.....	.....	.....	3, 933	.....	.....	.....	.....	2
.....	.....	.....	.....	3, 183, 750	.....	.....	.....	.....	3
.....	.....	.....	.....	.....	.....	.....	.....	33, 535	4
.....	.....	.....	.....	720, 000	.....	2, 597	19, 948	682, 961	5
.....	.....	.....	.....	1, 578	.....	.....	.....	1, 041, 350	6
.....	.....	.....	.....	.....	.....	.....	.....	147, 799	7
.....	.....	.....	.....	.....	.....	14, 510	163, 310	169, 863	8
.....	.....	.....	.....	922	.....	.....	120, 135	472,432	9
.....	.....	.....	.....	150, 000	.....	.....	.....	.....	10
772	30, 200	3, 000	39, 000	.....	.....	.....	102, 324	8, 911, 279	11
.....	.....	.....	.....	.....	.....	7, 599	22, 291	2, 165, 384	12
384	19, 172	.....	.....	.....	.....	.....	.....	2, 492, 327	13
10, 681	460, 960	7, 248	477, 693	.....	.....	.....	.....	2, 436, 841	14
.....	.....	.....	.....	.....	.....	.....	.....	1, 211, 976	15
.....	.....	.....	.....	102, 500	18, 040	1	2, 000	29, 040	16
.....	.....	672	7, 200	30, 910	.....	.....	159, 303	2, 869, 008	17
.....	.....	.....	.....	.....	.....	.....	101, 970	328, 100	18
.....	.....	.....	.....	45, 830, 262	7, 979, 232	.....	41, 057	14, 279, 437	19
28, 315	1, 478, 571	34, 344	599, 373	230, 717	25, 730	.....	13, 196	4, 828, 845	20
.....	.....	.....	.....	1, 212 500	.....	.....	.....	800	21
.....	.....	.....	.....	.....	.....	.....	.....	750	22
.....	.....	.....	.....	734, 730	.....	50	.....	.....	23
.....	.....	.....	.....	34, 050	5, 993	.....	112, 550	118, 543	24
.....	.....	39, 381	451, 070	.....	.....	33, 828	40, 270	3, 391, 782	25
.....	.....	.....	.....	4, 055	.....	.....	.....	.....	26
.....	.....	.....	.....	.....	.....	.....	1, 623, 011	5, 122, 143	27
.....	.....	.....	.....	1, 640, 000	350, 000	.....	79, 855	435, 357	28
.....	.....	.....	.....	.....	.....	.....	.....	8, 077, 488	29
.....	.....	.....	.....	.....	.....	.....	.....	102, 479	30
.....	.....	20, 459	394, 568	214, 736	36, 256	.....	426, 102	65, 559, 576	31
.....	.....	.....	.....	.....	.....	.....	.....	15, 440	32
.....	.....	.....	.....	.....	.....	7, 427	27, 709	27, 709	33
60	2, 500	3, 699	22, 145	153, 880	.....	.....	.....	783, 550	34
.....	.....	.....	.....	5, 084	.....	.....	.....	.....	35
.....	.....	.....	.....	2, 647, 894	469, 495	.....	48, 788	521, 033	36
11, 200	33, 000	10, 448	24, 126	678	.....	.....	179, 125	721, 219	37
.....	.....	.....	.....	.....	.....	.....	.....	389, 046	38
.....	.....	.....	.....	.....	.....	.....	4, 500	2, 064, 942	39
1, 728	78, 525	4, 617	64, 562	18, 087	1, 549	.....	100, 000	317, 636	40
.....	.....	.....	.....	.....	.....	.....	.....	1, 080, 451	41

coal, 28,441 tons; value, $56,938.

TABLE LXVIII.—*The mineral products by certain industrial fields:* 1880.

ANTHRACITE COAL.

Horse-power.	Wages.	Material.	Value per ton.	Horse-power of engines per ton yearly product.	Wages paid per ton.	Materials consumed per ton.	
	Dollars.	*Dollars.*	*Dollars.*		*Dollars.*	*Dollars.*	
105, 752	22, 604, 055	6, 729, 477	1 47	0. 00369	0 79	0 24	1

BITUMINOUS COAL.

4, 546	7, 803, 572	1, 240, 868	0 96	0. 00035	0 61	0 10	1
4, 239	6, 398, 863	1, 182, 344	1 24	0. 00055	0 83	0 15	2
557	665, 553	95, 906	1 35	0. 00068	0 81	0 12	3
2, 083	2, 956, 448	353, 061	1 82	0. 00076	1 08	0 13	4
8, 294	6, 035, 919	796, 149	1 44	0. 00136	0 99	0 13	5
1, 717	1, 405, 164	158, 604	1 48	0. 00118	0 97	0 11	6
860	1, 370, 079	194, 942	1 16	0. 00039	0 61	0 09	7
205	1, 836, 444	316, 471	1 21	0. 00007	0 58	0 10	8

IRON ORE.

6, 574	2, 573, 857	941, 711	3 29	0. 00358	1 40	0 51	1
3, 039	1, 507, 395	534, 395	2 82	0. 00245	1 22	0 43	2
4, 486	1, 606, 257	584, 229	3 84	0. 00504	2 13	0 77	3
10, 739	3, 850, 608	835, 676	2 49	0. 00332	1 19	0 26	4

QUARRIES.

TABLE LXIX.—*General statistics of the quarrying industries of the United States:* 1880.

	States and Territories.	Number of quarries.	Capital invested.	Product in census year.	Value of product in census year.	Number of machines employed. For quarrying.	For hoisting.	For dressing.	Value of explosives used in census year.
			Dollars.	*Cubic feet.*	*Dollars.*				*Dollars.*
	Total for United States	1,525	25,414,497	115,380,133	18,356,055	339	2,290	1,308	192,175
	TOTALS BY KINDS OF ROCKS.								
1	Marble and limestone (*a*)	616	10,565,497	65,523,965	6,856,681	190	709	499	61,408
2	Sandstone	502	6,229,600	24,776,930	4,780,391	40	634	95	27,571
3	Crystalline silicious rocks	313	5,291,250	20,506,568	5,188,998	64	763	322	70,397
4	Slate	94	3,328,150	4,572,670	1,529,985	45	184	392	32,799
	TOTALS BY STATES AND TERRITORIES.								
1	California	2	100,000	413,000	172,450	.....	6	14	1,000
2	Colorado	6	13,500	662,790	50,400	.....	8	.....	500
3	Connecticut	38	1,730,560	3,527,400	1,087,425	27	116	5	13,590
4	Dakota	1	3,500	38,400	12,000	.....	1	.....	324
5	Delaware	3	4,800	45,900	12,600	.....	3	.....	.....
6	Georgia	3	60,600	288,960	68,980	2	2	.....	615
7	Illinois	43	2,120,000	13,321,199	1,342,572	15	68	22	6,805
8	Iowa	131	556,775	10,929,783	670,754	2	109	11	6,859
9	Indiana	70	613,560	8,413,827	633,775	13	107	14	2,300
10	Kansas	19	73,700	1,406,346	142,570	.....	34	3	35
11	Kentucky	19	143,250	1,724,675	92,216	2	18	2	927
12	Maine	74	2,285,500	2,465,670	1,259,086	29	178	95	14,744
13	Maryland	17	307,935	1,375,917	346,629	4	31	19	5,725
14	Massachusetts	113	1,616,850	5,468,030	1,711,104	22	265	169	29,355
15	Michigan	9	74,700	648,060	79,165	.....	13	.....	1,222
16	Minnesota	41	284,225	3,169,113	255,818	.....	67	3	3,812
17	Missouri	34	328,550	4,699,600	613,171	6	29	6	3,050
18	Nebraska	1	5,000	330,000	15,000	.....	4	.....	125
19	New Hampshire	39	128,800	1,920,340	303,066	1	109	14	4,216
20	New Jersey	25	231,900	3,251,621	514,420	2	29	.....	2,596
21	New York	251	1,080,445	6,057,278	1,261,495	14	152	52	14,819
22	Ohio	245	4,166,802	19,673,309	2,541,647	16	447	79	18,763
23	Pennsylvania	164	3,077,885	15,310,184	1,944,208	56	173	213	33,820
24	Rhode Island	17	476,000	1,352,900	623,000	6	43	22	2,228
25	Tennessee	13	131,700	792,621	192,695	14	30	4	605
26	Vermont	61	4,732,040	2,468,150	1,752,333	88	183	537	12,300
27	Virginia	14	721,250	1,316,556	410,678	2	30	24	3,911
28	Washington	2	2,500	32,500	3,044	.....	1	.....	20
29	West Virginia	10	55,350	294,760	16,689	3	13	.....	696
30	Wisconsin	60	286,820	3,981,304	227,065	15	21	.....	7,213

a With "Marble and limestone" is included one quarry of serpentine rocks.

QUARRIES.

TABLE LXIX.—*General statistics of the quarrying industries of the United States:* 1880.

Number of months in operation in census year.			Number of laborers employed during census year.					Number of animals employed.			Means of transportation.				
On full time.	On three-fourths time.	On one-half time.	Greatest number employed.	Males above 16 years of age.	Males below 16 years of age.	Employed in quarrying.	Employed in dressing.	Number of horses.	Number of mules.	Number of oxen.	Number of wagons.	Number of vessels.	Number of cars.	Number of locomotives.	
13,021	293	112	39,723	38,945	778	25,726	9,840	8,059	851	1,096	3,685	265	651	5	
5,001	87	58	15,646	15,363	283	11,269	2,756	4,439	586	163	1,571	111	363	2	1
4,166	22	16	9,567	9,428	139	6,623	1,219	2,091	140	277	1,023	73	72	2	2
2,832	126	38	11,477	11,340	137	6,139	4,501	1,258	105	652	981	81	144	1	3
1,022	58	.....	3,033	2,814	219	1,695	1,364	271	20	4	110	.....	72	.....	4
23	.....	.....	195	194	1	50	100	8	.....	16	3	.....	.....	.....	1
60	.....	.....	134	134	.....	129	.....	17	5	.....	9	.....	.....	.....	2
341	36	2	1,902	1,883	19	1,369	466	112	54	266	455	46	15	.....	3
6	.....	3	35	35	.....	26	.....	18	.....	.....	9	.....	.....	.....	4
30	.....	.....	30	30	.....	.....	14	7	.....	.....	2	.....	.....	.....	5
36	.....	.....	146	143	3	84	50	6	44	.....	13	.....	.....	.....	6
314	4	.....	2,315	2,287	28	1,987	298	380	39	.....	177	41	51	.....	7
914	34	23	2,091	2,075	16	1,819	198	824	343	.....	160	8	40	.....	8
579	5	.....	1,788	1,701	87	1,121	142	545	.....	.....	153	.....	46	.....	9
158	.....	13	434	422	12	273	104	86	16	14	31	.....	.....	.....	10
160	2	1	806	791	15	486	140	199	.....	.....	57	1	.....	.....	11
606	31	17	4,011	3,936	75	1,793	2,058	241	.....	218	181	29	85	.....	12
153	22	.....	701	682	19	480	211	34	12	12	37	2	5	2	13
1,055	48	13	2,951	2,907	44	1,795	957	371	3	166	214	14	29	.....	14
73	.....	.....	200	190	10	187	13	56	.....	.....	15	2	2	.....	15
228	12	15	1,175	1,173	2	865	253	333	4	2	151	.....	.....	.....	16
316	6	4	783	764	19	437	122	71	96	.....	69	.....	6	.....	17
8	.....	.....	55	55	.....	40	15	22	.....	.....	.....	.....	.....	.....	18
325	16	4	595	595	.....	323	190	204	.....	84	114	3	7	.....	19
265	.....	.....	812	812	.....	615	130	85	6	37	68	5	.....	.....	20
2,186	6	3	3,302	3,220	82	2,426	656	774	23	24	429	12	22	.....	21
2,083	11	5	4,902	4,856	46	2,943	329	1,853	49	60	516	29	35	2	22
1,458	43	.....	4,284	4,078	206	2,904	1,212	819	57	.....	451	26	270	.....	23
166	.....	.....	962	953	9	342	418	134	.....	52	75	2	6	1	24
124	.....	.....	443	440	3	377	30	18	65	.....	26	2	.....	.....	25
627	5	.....	2,762	2,694	68	1,487	1,230	281	.....	131	130	38	5	.....	26
144	8	6	919	908	11	554	365	44	29	.....	34	.....	.....	.....	27
17	.....	.....	16	16	.....	10	6	.....	.....	.....	.....	.....	.....	.....	28
85	.....	.....	154	154	.....	75	42	28	.....	.....	11	3	20	.....	29
481	4	3	820	817	3	729	91	489	6	14	95	2	7	.....	30

TABLE LXX.—QUARRIES—*Statistics of the quarrying industries of the United States, showing number of quarries and production, by kinds of rock and by states and territories:* 1880.

States and Territories.	Number of quarries.	Capital invested.	Product in census year.	Value of product in census year.
		Dollars.	*Cubic feet.*	*Dollars.*
Total United States	1,525	25,414,497	115,380,133	18,356,065
MARBLE AND LIMESTONE (*a*)	616	10,565,497	65,523,965	6,856,681
Illinois	38	2,101,200	13,013,139	1,320,742
Indiana	65	539,660	8,102,115	593,375
Iowa	128	552,775	10,772,283	666,554
Kansas	17	59,700	1,340,346	131,570
Kentucky	19	143,250	1,724,675	92,216
Maryland	3	142,435	70,617	65,929
Massachusetts	4	284,500	99,425	230,495
Michigan	4	61,050	97,800	26,085
Minnesota	33	139,575	2,816,298	201,593
Missouri	27	242,350	4,419,300	421,211
Nebraska	1	5,000	330,000	15,000
New York	55	508,620	2,836,025	431,439
Ohio	119	872,102	11,098,583	669,723
Pennsylvania (*a*)	24	592,160	3,339,722	240,934
Tennessee	13	131,700	792,621	192,695
Vermont	18	3,886,000	1,192,100	1,340,050
Virginia	2	35,000	20,000	27,750
Wisconsin	46	248,420	3,458,916	189,320
SANDSTONE	502	6,229,600	24,776,930	4,780,391
Colorado	3	2,000	108,750	9,000
Connecticut	6	1,167,500	988,200	680,200
Dakota	1	3,500	38,400	12,000
Illinois	5	18,800	308,060	21,830
Indiana	5	73,900	311,712	40,400
Iowa	3	4,000	157,500	4,200
Kansas	2	14,000	66,000	11,000
Massachusetts	15	95,800	729,980	144,294
Michigan	5	13,650	550,260	53,080
Minnesota	5	113,600	324,000	41,150
Missouri	5	51,200	194,000	81,960
New Jersey	20	210,100	2,384,791	400,420
New York	181	510,775	2,980,353	724,556
Ohio	126	3,294,700	8,574,726	1,871,924
Pennsylvania	95	560,825	6,229,110	627,943
Washington	1	1,500	14,000	2,000
West Virginia	10	55,350	294,700	16,689
Wisconsin	14	38,400	522,388	37,745

a With "Marble and limestone" is included one quarry of serpentine rocks.

TABLE LXX.—QUARRIES—*Statistics of the quarrying industries of the United States, &c.*—Continued.

States and Territories.	Number of quarries.	Capital invested.	Product in census year.	Value of product in census year.
		Dollars.	*Cubic feet.*	*Dollars.*
CRYSTALLINE SILICIOUS ROCKS	813	5,291,250	20,506,568	5,188,998
California	2	100,000	413,000	172,450
Colorado	3	11,500	554,040	41,400
Connecticut	32	563,060	2,539,200	407,225
Delaware	3	4,800	45,900	12,600
Georgia	2	60,000	278,960	64,480
Maine	68	1,625,500	2,203,670	1,175,286
Maryland	7	106,000	1,182,500	224,000
Massachusetts	92	1,217,150	4,623,125	1,329,315
Minnesota	3	11,050	28,815	13,075
Missouri	2	35,000	86,300	110,000
New Hampshire	39	128,800	1,920,340	303,066
New Jersey	2	10,500	820,000	99,000
New York	3	16,000	42,400	10,000
Pennsylvania	15	243,500	3,028,222	211,454
Rhode Island	17	476,000	1,352,900	623,000
Vermont	12	50,140	187,140	59,675
Virginia	10	631,250	1,181,556	331,928
Washington	1	1,000	18,500	1,044
			Squares.	
SLATE	94	3,328,150	457,267	1,529,985
Georgia	1	600	1,000	4,500
Maine	6	660,000	26,200	83,800
Maryland	7	59,500	12,280	56,700
Massachusetts	2	19,400	1,550	7,000
New Jersey	3	11,300	4,683	15,000
New York	12	45,050	19,850	95,500
Pennsylvania	30	1,681,400	271,313	863,877
Vermont	31	795,900	108,891	352,608
Virginia	2	55,000	11,500	51,000

PETROLEUM PRODUCTION.

The actual production of petroleum in the United States cannot be accurately given for any definite period of time, but an approximate estimate has been made up from all available sources of information, which is believed to be practically correct.

The receipts of the incorporated pipe-lines have been reported in accordance with the requirements of a law of the state of Pennsylvania, and estimates of the oil handled by private lines and "dump oil" have been received from well-informed and reliable parties. The estimation of the amount of oil held in tanks at wells, while presenting many difficulties, has been made with great care and based on actual returns of stocks from a large proportion of the wells. The amount estimated as run to waste is based on actual returns, and the amount burned from current reports at the time the fires occurred. From these several sources of information the production of oil out of the ground during the census year is estimated as follows:

Third sand oil.

	Barrels.
1. Pipe-line receipts	22,628,286
2. Gain in well stocks	327,852
3. Oil run to waste	275,000
4. Oil burned outside of well stocks and pipe-lines	60,000
5. "Dump oil" and oil run in private lines	578,670
	23,869,808

This oil was produced in—

	Barrels.
Northwestern Pennsylvania	23,722,989
Greene county, Pennsylvania	3,118
West Virginia and Washington county, Ohio	138,325
Glasgow, Kentucky	5,376
	23,869,808

Second sand oil.

The second sand oil is produced near Franklin, Pennsylvania, and embraces also the B, C, D, and E grades of West Virginia oils. Of this oil there were produced in—

	Barrels.
West Virginia	68,392.88
Near Franklin, Pennsylvania	105,600.00
Grafton, Ohio	2,773.00
	176,765.88

First sand oil.

Four-fifths of the first sand oil comes from the first "Oil Sand" of the Venango group, near Franklin, Pennsylvania. The oils of this class were produced in—

	Barrels.
Franklin, Pennsylvania	86,857
West Virginia (F and G grades)	12,536
Grafton, Ohio	1,386
Mecca, Ohio	900
Erie, Pennsylvania	25
	101,704

The production of the peculiar amber oil in Beaver county, Pennsylvania, known as "Smith's Ferry oil", has been placed by competent persons at 86,803 barrels.

The following is a summary of these amounts:

	Barrels.
First sand oil	101,704
Second sand oil	176,766
Third sand oil	23,869,808
Beaver county, Pennsylvania	86,803
	24,235,081

The following is a summary of the total production of the different localities:

	Barrels.
Northwestern Pennsylvania	23,915,446
West Virginia and Washington county, Ohio	219,254
Beaver county, Pennsylvania	86,803
Glasgow, Kentucky	5,376
Grafton, Ohio	4,159
Greene county, Pennsylvania	3,118
Mecca, Ohio	900
Erie, Pennsylvania	25
	24,235,081

For some time antecedent to the census year, and during that year, the production of petroleum, and especially of third sand oil, had been in excess of any demand for it on the market, and consequently there had been a gradual accumulation of stocks in excess of the amount required in handling the oil. This accumulation did not take place proportionally in all the districts producing petroleum, but was confined mainly to the Bradford district of northwestern Pennsylvania. In the Grafton and Mecca districts of Ohio and in the Glasgow (Kentucky) district the stock of oil in tanks at wells would not at any time exceed 150 barrels. The constant demand for the entire production of the Smith's Ferry district, including Slippery Rock creek, in Beaver county, Pennsylvania, prevents any accumulation of stocks, and, in consequence, the well stocks there are always low. These stocks, together with that in the hands of the Smith's Ferry Transportation Company, have been estimated at 3,200 barrels on June 1, 1879. On May 31, 1880, the same stocks were estimated at 3,000 barrels. In West Virginia and Washington county, Ohio, the well and tank stocks, together with the stock held by the West Virginia Transportation Company, on June 1, 1879,

were 79,606 barrels. The same stocks on May 31, 1880, were estimated at 50,848 barrels. In Greene county, Pennsylvania, the stocks were practically nothing. In the heavy-oil district near Franklin, Pennsylvania, the heavy oil accumulated during the census year. The stock of Franklin oil at the beginning of the census year was, allowing an estimated well stock of 3,000 barrels, 19,898 barrels, and at the end of the census year, 27,106 barrels. In northwestern Pennsylvania, exclusive of the Franklin district, the net stocks in the custody of the pipe-lines, June 1, 1879, and May 31, 1880, are represented in the following table:

	June 1, 1879. Barrels.	May 31, 1880. Barrels.
United pipe-lines	5,864,850	9,851,885
Tidewater Pipe Company	378,312	1,009,063
Tidioute and Titusville	189,767	270,718
Pennsylvania Transportation Company	9,855	3,271
Church Run	1,751	.....
Octave	11,642	14,558
Cherry Tree	4,602	.....
Tidioute and Warren	11,198	15,129
Fox farm	29,954	19,631
Charley and Shaeffer Run	23,211	26,024
Emlenton	13,215	15,022
	6,538,357	11,225,301

It is estimated, from the best data to be obtained, that the stocks in tanks outside the pipe-lines, in the territory above and below Oil City, was, on

	Barrels.
June 1, 1879	293,474
May 31, 1880	532,318

The well stocks in the Lower Country remained practically unchanged throughout the year, actual returns from a large number of these wells giving an average of 32 barrels per well. This average, applied to 6,300 wells, gives a total well stock of 201,600 barrels.

The estimates of well stocks in the Bradford district, based upon actual returns and other reliable data, show that at the beginning of the census year, June 1, 1879, the total well stocks were 812,067 barrels. These stocks gradually accumulated, until on September 1, 1879, they amounted to 1,024,727 barrels. From this date until February 1, 1880, the well stocks steadily declined until they reached, at that date, 693,084 barrels. From February 1 until the close of the census year, May 31, 1880, these stocks steadily increased until upon that date they amounted to 1,258,902 barrels. These figures show a net increase of stocks during the census year of 446,835 barrels.

Summarized, the stocks of crude oil in the producing regions on June 1, 1879, may be exhibited as follows:

	Barrels.
Pipe-line stocks, third sand	6,538,357
Well stocks, Bradford district	812,067
Well stocks, Lower Country	201,600
Iron-tank stocks, outside of pipe-lines	293,474
Franklin stocks, heavy oil	19,898
Smith's Ferry	3,200
West Virginia and southern Ohio	79,606
Grafton and Mecca, Ohio, and Glasgow, Kentucky	150
	7,948,352

On May 31, 1880, these stocks were as follows:

	Barrels.
Pipe-line stocks, third sand	11,225,301
Well stocks, Bradford district	1,258,902
Well stocks, Lower Country	201,600
Iron tanks, outside of pipe-lines	532,318
Franklin stocks, heavy oil	27,106
Smith's Ferry	3,000
West Virginia and southern Ohio	50,848
Grafton and Mecca, Ohio, and Glasgow, Kentucky	150
	13,299,225

From these summaries it will be seen that the total accumulated stocks in the whole country at the end of the census year were 13,299,225 barrels, of which 5,350,873 barrels were the accumulation of that year.

During that year the stocks decreased in—

	Barrels.
West Virginia and southern Ohio	28,758
Smith's Ferry district	200
	28,958

During the same period the stocks increased in—

	Barrels.
Northwestern Pennsylvania	5,372,623
Franklin heavy-oil district	7,208
	5,379,831

TABLE LXXI.—PETROLEUM—*Statistics of the investment of capital and the employment of labor in the production of petroleum during the year ending May* 31, 1880.

Name of district.	Number of wells drilled.	Number of dry holes.	Number of rigs built.	Cost of rigs.	Cost of engines and boilers.	Cost of drive pipe.	Cost of casing.	Cost of tubing.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Bradford, Pennsylvania	3,086	53	3,516	1,274,550	649,000	462,900	648,060	925,800
Lower Country, Pennsylvania	335	79	335	121,437	100,500	50,250	70,360	67,000
Franklin, Pennsylvania	120	15	120	.....	.....	.....	.....	.....
Beaver county, Pennsylvania	15	.....	15	.....	.....	.....	.....	.....
Grafton, Ohio	.....	.....	.....	.....	.....	.....	.....	.....
Mecca, Ohio	20	.....	.....	.....	.....	.....	.....	.....
West Virginia and southern Ohio	120	.....	120	30,000	.....	.....	15,000	9,000
Glasgow, Kentucky	.....	.....	.....	.....	.....	.....	.....	.....

TABLE LXXI.—PETROLEUM—*Statistics of the investment of capital, &c.*—Continued.

Name of district.	Cost of torpedoes.	Cost of labor.	Total cost of wells.	Estimated number of skilled workmen.	Average rate of wages.	Estimated number of ordinary laborers.	Average rate of wages.
	Dollars.	*Dollars.*	*Dollars.*		*Dollars.*		*Dollars.*
Bradford, Pennsylvania	925,800	2,166,000	8,280,160	1,851	2 50—4 00	3,617	1 50—2 00
Lower Country, Pennsylvania	.....	252,000	690,947	208	2 50—4 00	4,686	1 50—2 00
Franklin, Pennsylvania	.....	.....	48,000	15	2 50—4 00	155	1 50—2 00
Beaver county, Pennsylvania	.....	.....	10,500	12	2 50—4 00	63	1 50—2 00
Grafton, Ohio	.....	.....	.....	.....	.....	.....	.....
Mecca, Ohio	.....	.....	800	.....	.....	.....	.....
West Virginia and southern Ohio	.....	54,000	120,000	25	2 00—2 50	263	1 00—1 50
Glasgow, Kentucky	.....	.....	.....	.....	.....	.....	.....

Name of district.	Estimated number of wood-choppers.	Rate paid per cord.	Total number of men employed.	Total amount of wages paid.	Estimated number of men employed in drilling wells.	Estimated number of men employed in caring for wells.	Estimated amount of feet of lumber used in rigs.	Estimated amount of cords of fuel used in drilling wells.	Total production in barrels.
		Dolls.		*Dollars.*					
Bradford, Pennsylvania	500	0 90	5,968	4,212,120	3,000	2,000	59,772,000	302,400	23,828,589
Lower Country, Pennsylvania	50	.....	4,944	3,012,300	350	4,500	5,695,000	33,500	
Franklin, Pennsylvania	.....	.....	170	102,000	50	120	600,000	.....	86,857
Beaver county, Pennsylvania	.....	.....	75	45,000	10	60	225,000	.....	86,803
Grafton, Ohio	.....	.....	10	6,000	.....	10	.....	.....	4,159
Mecca, Ohio	.....	.....	15	7,500	.....	15	.....	.....	900
West Virginia and southern Ohio	.....	.....	288	173,160	25	250	1,440,000	.....	219,254
Glasgow, Kentucky	.....	.....	7	2,940	.....	.....	.....	.....	5,376
Greene county, Pennsylvania	.....	.....	.....	.....	.....	.....	.....	.....	3,118
Erie, Pennsylvania	.....	.....	.....	.....	.....	.....	.....	.....	25

Cost of raising oil: Flowing wells in the Bradford district, 6 to 8 cents per barrel; pumping wells in the lower country, 60 to 80 cents; pumping wells in Franklin district, $3 per barrel.

TABLE LXXII.—*Statistics of petroleum refining:* 1880.

ESTABLISHMENTS:	
Number of firms and corporations	86
CAPITAL:	
Amount of capital invested	$27,325,746
HANDS EMPLOYED:	
Average number of men	9,498
Average number of women	25
Average number of children	346
Total	9,869

TABLE LXXII.—PETROLEUM—*Statistics of petroleum refining:* 1880—Continued.

		Quantities.	Value.
WAGES:			
Total amount paid			$4,381,572
MATERIALS:			
Oils.			
Crude oil used (*a*)	gallons	731,533,127	$16,340,581
Fuel.			
Anthracite coal	tons	179,997	446,922
Bituminous coal	do	504,667	580,983
Wood	cords	1,471	6,355
Coke	bushels	303,596	13,218
Naphtha	gallons	2,892,164	42,315
Residuum	do	11,765,705	229,215
Chemicals.			
Sulphur	tons	3.0	180
Sulphuric acid	do	45,813.5	1,206,052
Hydrochloric acid	pounds	3,424.0	68
Soda-ash	tons	410.9	10,427
Caustic soda	do	772.3	85,064
Sal-soda	pounds	96,643.0	1,423
Aqua ammonia	do	160,160.0	8,697
Lime	bushels	797.0	159
Bone-black	tons	1,990.0	62,815
Packages.			
Barrels	number	9,717,306	11,618,307
Tin cans	do	23,841,089	2,793,997
Cases	do	6,452,801	906,911
Bungs, paint, glue, etc			645,412
Total value of raw material			34,999,101
PRODUCTS:			
Rhigoline	barrels	5,868	$29,117
Gasoline	do	289,555	1,128,166
Naphtha	do	1,212,626	1,833,395
Illuminating oil	do	11,002,249	36,839,613
Mineral sperm	do	16,544	202,725
Reduced petroleum for cylinders	do	26,018	371,020
Reduced petroleum for journals	do	204,841	1,024,017
Deodorized lubricating oils	do	70,415	611,572
Paraffine oil	do	79,465	408,023
Residuum	do	229,133	297,529
Paraffine wax	pounds	7,889,626	631,944
Petroleum ointment, harness oil, etc			328,097
Total value of manufactured products			43,705,218
MISCELLANEOUS STATISTICS:			
Boilers in use			374
Horse-power of same			12,741
Engines in use			385
Pumps in use			200
Number of buildings			866
Value of same			$1,899,288
Value of machinery			$3,737,998
Loss during the census year from fire and other accidents			$104,631

a The 731,533,127 gallons of crude oil used are equal to 17,417,455 barrels of 42 gallons each.

RAILROADS, STEAM CRAFT, CANALS, TELEGRAPHS, AND TELEPHONES.

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RAILROADS.

Composition of the geographical groups.

Group I.—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

Group II.—New York, Pennsylvania, Ohio, Michigan, Indiana, Maryland, Delaware, New Jersey, and District of Columbia.

Group III.—Virginia, West Virginia, Kentucky, Tennessee, Mississippi, Alabama, Georgia, Florida, North Carolina, and South Carolina.

Group IV.—Illinois, Iowa, Wisconsin, Missouri, and Minnesota.

Group V.—Louisiana, Arkansas, and Indian Territory.

Group VI.—Dakota, Nebraska, Kansas, Texas, New Mexico, Colorado, Wyoming, Montana, Idaho, Utah, Arizona, California, Nevada, Oregon, and Washington Territory.

TABLE LXXIII.—*Physical characteristics—Miles of railroad up to June 30, 1880.*

[NOTE.—Miles under construction are included in miles projected.]

Geographical groups.	ESTABLISHED AND OPERATED ROADS.					NEW ROADS.		
	Road completed.		Extensions.			Projected.		Under construction.
	Companies.	Miles.	Projected.		Under construction.	Companies.	Miles.	Miles.
			Companies.	Miles.	Miles.			
The United States	1,146	87,891	170	19,722	5,155	336	21,307	4,861
roup I	149	5,948	12	319	106	9	289	163
roup II	524	28,401	59	3,156	858	198	8,910	1,790
roup III	153	14,592	34	2,486	876	37	2,869	937
roup IV	178	23,134	25	2,754	871	48	3,432	797
roup V	13	921	6	245	112	7	1,371	514
roup VI	129	14,895	34	10,762	2,332	37	4,436	660

Geographical groups.	AGGREGATE.				Total miles completed and projected.	Total miles completed and under construction.
	Roads completed, extensions, and new lines.					
	Companies.	Miles completed.	Projected miles.	Miles under construction.		
The United States	1,482	87,891	41,029	10,016	128,920	97,907
roup I	158	5,948	608	269	6,556	6,217
roup II	722	28,401	12,066	2,648	40,467	31,049
roup III	190	14,592	5,355	1,813	19,947	16,405
roup IV	226	23,134	6,186	1,668	29,320	24,802
roup V	20	921	1,616	626	2,537	1,547
roup VI	166	14,895	15,198	2,992	30,093	17,887

TABLE LXXIV.—RAILROADS—*Average (cost, value, and amounts), per mile of road completed and operated, of assets and liabilities; earnings, income, expenses, profit, dividends, and balance retained.*

Item.	Amount.	Average per mile of road completed and operated.
	Dollars.	*Dollars.*
Cost of construction of roads	*a* 4, 112, 367, 176	*b* 47, 38
Cost of equipment	418, 045, 458	4, 81
Value of lands owned (including buildings)	103, 319, 845	1, 19
Value of telegraph lines and miscellaneous	204, 913, 196	2, 36
Stock and bonds owned (issued by other companies)	343, 800, 132	3, 96
Total permanent investments	5, 182, 445, 807	59, 71
Cash assets	353, 973, 981	4, 07
Profit and loss to credit	110, 697, 228	1, 27
Total permanent and cash assets	5, 536, 419, 788	63, 79
Capital stock paid in	2, 613, 606, 264	30, 11
Funded debt	2, 390, 915, 402	27, 55
Total stock and funded debt	5, 004, 521, 666	57, 66
Unfunded debt	421, 200, 894	4, 85
Total capital paid in and borrowed	5, 425, 722, 560	62, 52
Gross transportation earnings	580, 450, 594	6, 68
Total income (all sources)	661, 295, 391	7, 62
Transportation expenses	352, 800, 120	4, 06
Total expenditures (all classes)	541, 950, 795	6, 24
Net transportation earnings	227, 650, 474	2, 62
Net income or profit	119, 344, 596	1, 37
Dividends declared	70, 550, 342	81
Amount retained	48, 794, 254	56

a This amount includes funds expended upon partly completed miles of road under construction. It was impossible to obtain from railroad companies the respective amounts paid out for an exact number of miles entirely completed.

b Average taken upon 86,782 miles of road operated by the companies reporting transportation earnings.

TABLE LXXV.—*Aggregate income.*

Item.	Amount.	Total.	Aggregate.
	Dollars.	*Dollars.*	*Dollars.*
Gross transportation earnings		580, 450, 594	
Income from all other sources—rents	53, 543, 710		
Income from all other sources—interest and dividends	27, 301, 087		
		80, 844, 797	
			661, 295, 3
Less—			
Transportation expenses	352, 800, 120		
General expenses of lessor companies	1, 879, 848		
Interest on funded debt	126, 442, 310		
Interest on unfunded debt	9, 037, 798		
Rentals	51, 790, 719		
		541, 950, 795	
Deduct expenses over earnings	1, 427, 581		
Deduct expenses over other income	13, 286, 921		
		14, 714, 502	
			527, 236, 2
Net income or profit reported by companies having no deficits			134, 059, 0
Dividends declared—			
On preferred stock	6, 893, 263		
On common stock	63, 657, 079		
		70, 550, 342	
Deduct dividends declared by companies having no net income		529, 974	
			70, 020, 3
Balance retained			*a* 64, 038, 7

a Against this balance stand the deficits of other companies, $15,244.476.

TABLE LXXVI.—RAILROADS—*Income by groups.*

Groups.	Income.	Expenditures.	Net income applicable to dividends.	Dividends declared.	Surplus.	Deficits.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total	661, 295, 391	541, 950, 795	*a* 134, 059, 098	*b* 70, 550, 342	64, 038, 730	15, 244, 476
Group I	51, 545, 127	41, 828, 920	10, 631, 175	7, 946, 197	2, 689, 571	919, 560
Group II	333, 726, 090	276, 324, 211	65, 169, 787	37, 070, 429	28, 316, 187	7, 984, 788
Group III	53, 211, 561	46, 774, 219	8, 526, 416	3, 510, 426	5, 241, 511	2, 314, 595
Group IV	137, 081, 135	109, 217, 207	30, 036, 982	15, 105, 365	14, 978, 371	2, 219, 808
Group V	4, 529, 896	3, 838, 783	762, 706	.....	762, 706	71, 592
Group VI	81, 291, 582	63, 967, 455	18, 932, 032	6, 917, 925	12, 050, 384	1, 734, 183

a This amount is reported by companies having earned a profit, the difference of $14,714,502 between such profit and the amount obtained by deducting expenditures from income being created by the deficits made by companies whose expenses were more than their earnings.

b This amount includes $529,974 of dividends declared by companies having no net income whatever.

TABLE LXXVII.—*Aggregate assets and liabilities.*

BALANCE SHEET.

ASSETS.			LIABILITIES.		
Item.	Amount.	Total.	Item.	Amount.	Total.
	Dollars.	*Dollars.*		*Dollars.*	*Dollars.*
Construction of roads	4, 112, 367, 176		Capital stock paid in—preferred.	304, 471, 942	
Equipment	418, 045, 458		Capital stock paid in—common.	2, 309, 134, 322	
Lands	103, 319, 845				2, 613, 606, 264
Stock (of other companies).	184, 866, 527		Funded debt	.....	2, 390, 915, 402
Bonds (of other companies).	158, 933, 605		Unfunded debt—		
Telegraph lines and miscellaneous.	204, 913, 196		Interest unpaid	68, 750, 288	
			Dividends unpaid	13, 059, 983	
			Notes payable	85, 573, 270	
Total permanent investments.	.....	5, 182, 445, 807	Vouchers and accounts.	253, 817, 353	
Cash	61, 211, 513				421, 200, 894
Bills receivable	31, 064, 428				
Due from agents and companies.	79, 814, 155				
Materials and supplies	44, 294, 901				
Sinking fund	20, 488, 759				
Debit balances	117, 100, 225				
Total cash and other assets.	.....	353, 973, 981			
Profit and loss (reported by some companies).	.....	122, 494, 370	Profit and loss (reported by others).	.....	233, 191, 598
Total assets	.....	5, 658, 914, 158	Total liabilities	.....	5, 658, 914, 158

BALANCE SHEET, BY GROUPS.

ASSETS.

Groups.	Permanent investments.	Cash.	Other assets.	Profit and loss.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total	5, 182, 445, 807	61, 211, 513	292, 762, 468	122, 494, 370	5, 658, 914, 158
Group I	324, 315, 717	4, 932, 389	14, 363, 038	12, 971, 056	356, 582, 200
Group II	2, 325, 194, 656	31, 552, 373	142, 042, 650	57, 638, 961	2, 556, 428, 640
Group III	514, 011, 105	5, 307, 646	15, 345, 337	20, 202, 961	554, 867, 049
Group IV	1, 069, 913, 805	10, 986, 396	61, 704, 649	8, 946, 971	1, 151, 551, 821
Group V	52, 997, 871	1, 634, 662	2, 560, 568	336, 820	57, 529, 921
Group VI	896, 012, 653	6, 798, 047	56, 746, 226	22, 397, 601	981, 954, 527

TABLE LXXVII.—RAILROADS—*Aggregate assets and liabilities*—Continued

BALANCE SHEET, BY GROUPS—Continued.

LIABILITIES.

Groups.	Stock (preferred and common).	Funded debt.	Unfunded debt.	Profit and loss.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total	2, 613, 606, 264	2, 390, 915, 402	421, 200. 894	233, 191, 508	5, 658, 914, 158
Group I	191, 619, 196	110, 406, 207	34, 975, 709	19, 581, 088	356, 582, 200
Group II	1, 162, 195, 421	1, 109, 234, 485	171, 928, 177	113, 070, 557	2, 556, 428, 640
Group III	227, 506, 389	240, 174, 976	68, 377, 681	18, 808, 003	554, 867, 049
Group IV	560, 848, 636	491, 632, 564	60, 460, 303	38, 610, 318	1, 151, 551, 821
Group V	37, 078, 912	17, 752, 448	2, 334, 521	364, 040	57, 529, 921
Group VI	434, 357, 710	421, 714, 722	83, 124, 503	42, 757, 592	981, 954, 527

TABLE LXXVIII.—*Aggregate transportation earnings.*

Item.	Amount.		Total.	
	Dollars.	*Per cent.*	*Dollars.*	*Per cent.*
Local passengers	98, 321, 340	68. 23		
Through passengers	44, 514, 393	30. 89		
All other passengers	1, 265, 976	0. 88		
Total		100. 00	144, 101, 709	24. 83
Express			8, 828, 259	1. 52
Mails			10, 472, 813	1. 80
Local freight	233, 688, 202	56. 16		
Through freight	176, 909, 131	42. 51		
All other freight	5, 548, 425	1. 33		
Total		100. 00	416, 145, 758	71. 69
Earnings not analyzed			902, 055	0. 16
Aggregate			580, 450, 594	100. 00

TABLE LXXIX.—*Aggregate transportation expenses.*

Item.	Amount.	Per cent.	Per cent. of earnings.
	Dollars.		
Repairs of road-bed and track	39, 603, 076	11. 23	6. 82
Renewals of rails	17, 243, 950	4. 89	2. 97
Renewals of ties	10, 741, 577	3. 04	1. 85
Repairs of bridges	9, 009, 097	2. 55	1. 55
Repairs of buildings	7, 644, 121	2. 17	1. 32
Repairs of fences, crossings, etc	1, 480, 926	0. 42	0. 25
Telegraph expenses	3, 576, 477	1. 01	0. 62
Taxes	13, 283, 819	3. 77	2. 29
Total maintaining road and real estate	102, 583, 043	29. 08	17. 67
Repairs of locomotives	21, 830, 963	6. 19	3. 76
Repairs of passenger, baggage, and mail cars	10, 558, 824	2. 99	1. 82
Repairs of freight cars	22, 595, 553	6. 40	3. 89
Total repairs of rolling stock	54, 985, 340	15. 58	9. 47
Passenger-train service	10, 046, 080	2. 85	1. 73
Passenger-train supplies	1, 148, 810	0. 33	0. 20
Passenger-car mileage	807, 525	0. 23	0. 14
Freight-train service	19, 892, 343	5. 64	3. 43
Freight-train supplies	1, 260, 965	0. 36	0. 22
Freight-car mileage	7, 781, 828	2. 21	1. 34
Fuel for locomotives	32, 836, 470	9. 31	5. 66
Water supply	2, 388, 867	0. 68	0. 41
Oil and waste	3, 754, 670	1. 06	0. 65
Locomotive service	27, 239, 568	7. 72	4. 69
Agents and station service	36, 767, 299	10. 42	6. 33
Station supplies	2, 871, 933	0. 81	0. 49
Salaries of officers and clerks	12, 215, 850	3. 46	2. 10

TABLE LXXIX.—RAILROADS—*Aggregate transportation expenses*—Continued.

Item.	Amount.	Per cent.	Per cent. of earnings.
	Dollars.		
Legal expenses	2,457,905	0.70	0.42
Insurance	926,634	0.26	0.16
Stationery and printing	2,692,011	0.76	0.47
Outside agencies and advertising	4,737,311	1.34	0.82
Contingencies and miscellaneous	21,328,326	6.04	3.67
Loss and damage, freight	974,526	0.28	0.17
Loss and damage, property and cattle	1,103,761	0.31	0.19
Loss and damage, personal injuries	1,377,978	0.39	0.24
Expenses not analyzed	621,077	0.18	0.11
Total operating and other expenses	195,231,737	55.34	33.63
Aggregate transportation expenses	352,800,120	100.00	60.78
Net earnings	229,078,055	.....	.....
Less expenses over earnings by some companies	1,427,581	.....	.....
Total	227,650,474	.....	39.22

TABLE LXXX.—*Results of traffic operations by groups.*

[NOTE.—The miles herein given are those operated by the companies holding charters from the respective states composing the groups and do not all lie in the group to which such companies are credited.] (See physical characteristics, Table LXXIII.)

Groups.	Number of companies operating.	Miles of road operated.	EARNINGS.				
			Passengers (local and through).	Express.	Mails.	Freight (local and through).	Total.
			Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total	632	86,782	144,101,709	8,828,259	10,472,813	416,145,758	*a* 580,450,594
Group I	76	5,887	19,497,998	1,115,864	780,237	25,548,331	46,942,430
Group II	259	27,693	67,319,822	3,892,061	4,030,913	207,930,125	283,172,921
Group III	113	14,243	11,577,384	768,379	1,327,131	35,499,536	49,172,430
Group IV	101	25,037	27,338,124	1,881,921	2,479,241	94,725,530	126,424,816
Group V	12	877	801,364	19,910	102,161	3,261,043	4,183,578
Group VI	71	13,045	17,567,017	1,151,024	1,753,130	49,181,193	69,652,364

Groups.	EXPENSES.				Net earnings.	Expenses over earnings.
	Maintaining road and real estate.	Repairs of rolling stock.	Operating and general.	Total.		
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total	102,583,043	54,985,340	194,610,660	*b* 352,800,120	*c* 229,078,055	1,427,581
Group I	9,447,693	4,848,548	17,885,690	32,181,931	14,786,277	25,778
Group II	45,232,311	30,298,714	100,010,646	175,541,671	108,452,930	821,680
Group III	10,838,173	5,003,907	16,423,954	32,266,034	16,973,340	66,944
Group IV	23,822,798	10,138,337	38,630,957	72,592,092	54,140,962	308,238
Group V	912,268	106,027	2,072,590	3,090,885	1,098,230	5,537
Group VI	12,329,800	4,589,807	19,586,823	36,506,430	33,345,338	199,404

a This amount includes $902,055 of earnings which were not specified by the companies reporting same.
b This amount includes $621,077 of expenses which were not specified by the companies reporting same.
c This amount includes $280,978 of net earnings which were not specified by the companies reporting same.

Disposition of net earnings.

Net earnings	$229,078,055	
Less expenses over earnings	1,427,581	
Net earnings of whole system		$227,650,474
Paid:		
Fixed charges, less income from other sources than earnings	187,270,827	
	80,844,797	
		106,426,030
General expenses of lessor companies		1,879,848
		108,305,878
Dividends declared		70,550,342
Total expended		178,856,220
Balance held, whole system		48,794,254
		227,650,474
Actual balance reported by some companies as surplus		64,038,730
Deficits reported by others		15,244,476
Net balance for system		48,794,254

PROFITS EARNED UPON CAPITAL STOCK (PAID IN).

Tables LXXXI and LXXXII, following, exhibit the amount of capital stock (preferred and common combined) paid in of those companies which have reported a net income available for dividends after having paid the interest upon their funded and other debts; also the per cent. of such net income or profit upon the respective amount of stock.

Tables LXXXIII and LXXXIV give the necessary explanations as regards the stock and net income referred to.

TABLE LXXXI.—RAILROADS—*Per cent. of profit upon capital stock (paid in) of companies which report net income available to the payments of dividends.*

Per cent. of profit.	Group I.		Group II.		Group III.		Group IV.	
	Number of companies.	Amount of stock.	Number of companies.	Amount of stock.	Number of companies.	Amount of stock.	Number of companies.	Amount of stock.
		Dollars.		*Dollars.*		*Dollars.*		*Dollars.*
Up to 1	7	6,561,492	35	120,321,476	19	29,767,109	14	68,406,086
1 to 2	7	22,779,476	19	87,797,771	11	19,107,915	21	78,106,080
2 to 3	13	15,657,782	18	93,687,049	7	35,231,900	7	16,905,443
3 to 4	11	13,208,195	21	19,219,350	3	7,567,500	8	15,934,841
4 to 5	11	10,086,825	4	3,629,113	4	9,688,605	4	3,254,300
5 to 6	9	5,685,000	19	33,673,065	6	10,342,262	3	8,182,600
6 to 7	14	15,805,300	37	91,740,832	7	16,451,857	3	13,370,000
7 to 8	9	19,703,966	26	74,236,917	9	15,081,797	9	24,088,400
8 to 9	5	7,300,000	20	79,273,344	3	3,954,103	5	58,374,730
9 to 10	6	33,280,775	6	31,757,263	6	3,918,818	.....	.....
10 to 15	9	28,018,980	38	276,429,392	7	15,190,911	11	112,551,636
15 to 20	.....	.....	6	22,062,460	4	3,012,073	3	22,908,000
20 and upward	.....	.....	13	4,336,115	6	3,301,203	4	240,000
Aggregate	101	169,087,791	262	938,144,147	92	172,616,053	92	422,322,116
Total net income available to dividends upon stock of companies herein included.	$10,410,097		$64,966,211		$8,356,418		$29,645,636	
Average per cent. profit	6.16		6.92		4.84		7.02	
Net income of companies having no stock.	$221,078		$203,576		$169,998		$391,346	

TABLE LXXXI.—RAILROADS—*Per cent. of profit upon capital stock (paid in) of companies, &c.*—Continued.

Per cent. of profit.	Group V.		Group VI.		Aggregate for the United States.			Per cent. of profit.
	Number of companies.	Amount of stock.	Number of companies.	Amount of stock.	Number of companies.	Amount of stock.	Per cent.	
		Dollars.		*Dollars.*		*Dollars.*		
Up to 1	4	4,991,487	13	164,714,974	92	394,762,624	18.77	Up to 1.
1 to 2	1	300,000	5	6,924,720	64	215,015,962	10.23	1 to 2.
2 to 3	....	.....	7	31,902,240	52	193,364,414	9.19	2 to 3.
3 to 4	1	1,500,000	3	6,897,956	47	64,327,836	3.06	3 to 4.
4 to 5	....	.....	10	26,233,220	33	52,892,063	2.52	4 to 5.
5 to 6	....	.....	3	62,248,500	40	120,131,427	5.71	5 to 6.
6 to 7	....	.....	1	130,000	62	137,497,989	6.54	6 to 7.
7 to 8	....	.....	3	12,950,000	56	137,061,080	6.52	7 to 8.
8 to 9	1	749,990	4	6,805,700	38	156,457,867	7.44	8 to 9.
9 to 10	....	.....	2	1,459,000	20	70,415,856	3.35	9 to 10.
10 to 15	2	211,000	4	46,955,100	71	479,357,019	22.79	10 to 15.
15 to 20	1	5,000,000	3	14,391,254	17	67,373,787	3.20	15 to 20.
20 and upward	....	.....	8	6,533,004	31	14,410,322	0.68	20 and upward.
Aggregate	10	12,752,477	66	388,145,662	623	2,103,068,246	.....	.....
Total net income available to dividends upon stock of companies herein included.	$754,066		$18,856,908		$132,989,336			.....
Average per cent. profit.	5.91		4.86		6.32			.....
Net income of companies having no stock.	$8,640		$75,124		$1,069,762			.....

TABLE LXXXII.—*Condensed statement of per cent. of profit upon capital stock.*

Stock.	Up to 1, and from 1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 and upward.	No profit.	Aggregate.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Amount	920,362,899	621,564,219	479,357,019	67,373,787	14,410,322	510,538,018	2,613,606,264
Per cent	35.20	23.78	18.35	2.58	0.56	19.53	100

TABLE LXXXIII.—*Capital stock paid in.*

[NOTE.—Of all the companies which have reported assets and liabilities 118 have issued no stock.]

Description.	No. of companies.	Amount.	Total.	Per cent.
		Dollars.	*Dollars.*	
Stock of companies which report net income available to dividends.	623	.....	2,103,068,246	80.47
Stock of companies which report deficits, or income balanced by expenditures.	373	449,905,903	.....	.....
Stock of companies whose roads are under construction and have no earnings.	169	60,632,115	.....	.....
Total stock of companies which have no net income	.....	.....	510,538,018	19.53
Total stock paid in	1,165	.....	2,613,606,264	100.00

TABLE LXXXIV—RAILROADS—*Net income available to dividends upon capital stock.*

[NOTE.—Of the 1,016 companies which report an income (whether operating, lessor, or otherwise) 66 have obtained a net income, and 350 none whatever.]

Description.	No. of companies.	Amount.
		Dollars.
Net income of companies which report capital stock	623	132,989,33
Net income of companies which have no stock	43	1,069,76
Total net income reported	666	134,059,09

There are 1,165 companies which report an aggregate capital stock (paid in) amounting to $2,613,606,264, of which 623 have earned a net income or a profit upon their stock. The balance of 542 companies earned no profit whatever; 373 of the latter created deficits or had their income balanced by expenditures, and 169 companies had not yet commenced operations, their roads being under construction.

The net income or profit available for dividends upon stock of these 623 companies ($2,103,068,246, or 80 per cent. of the aggregate for the United States) amounts to $132,989,336, and is an average per cent. of profit upon such stock of 6.32.

The balance of stock is that which bears no profit, and amounts to $510,538,018, or nearly 20 per cent. of the aggregate report for the country. Of this amount $449,905,903 is stock of companies having deficits or having their income balanced by expenses, and $60,632,11 is stock of companies whose roads are yet under construction.

Average per cent. profit upon both capital stock paid in and funded debt.

Capital stock and funded debt	$5,004,521,66
Total income	661,295,391
Total expenditures, less interest on funded debt	415,508,48
Net income or profit	245,786,90

Income is 13.21 per cent. of stock and funded debt.
Expenditures, less interest on funded debt, 8.30 per cent. of stock and funded debt.
Net income or profit, 4.91 per cent. of stock and funded debt.

If those companies are only taken which report net income and those which report deficits are excluded, then the net profit upon the stock and funded debt of such companies in the United States will average 5.2 per cent.

Financial results.

Gross earnings	$580,450,59
Transportation expenses	352,800,12
Net earnings	227,650.47
Less fixed charges and general expenses of lessor companies, reduced by income from all other sources than earnings	108,305,87
Amount available for dividends	119,344,59

Stock (preferred and common), $2,613,606,264.
Per cent. earned upon stock, 4.566.
Per cent. declared upon stock, 2.699.
Per cent. held, 1.867.

RAILROAD SYSTEM OF THE UNITED STATES.

Deficits.

120 companies have operating expenses over gross earnings	$1,427,581
176 companies have fixed charges over gross income	13,286,921
31 companies declare dividends and have no net income	529,974
Total	15,244,476

Revenue train mileage statistics.

Total miles of road operated	86,782
Earnings per mile	$6,688
Expenses per mile	4,065
Net earnings per mile	2,623
Freight trains: Mileage	251,022,710
Earnings per mile	$1 65
Expenses per mile	98
Profit per mile	67
Passenger trains: Mileage	138,225,621
Earnings per mile (including express and mails)	$1 18
Expenses per mile	76
Profit per mile	43

TABLE LXXXV.—RAILROADS—*Tonnage: Classification of articles carried.*

[NOTE.—The same articles often carried by several, perhaps many, companies, even in different groups. The aggregates, therefore, exhibit, *not quantities*, but proportions.]

Articles.	Group I.	Group II.	Group III.	Group IV.	Group V.	Group VI.	Aggregate for United States.
Grain	2,767,334	23,993,678	1,097,200	12,273,096	5,646	1,866,550	42,003,504
Flour	1,223,495	3,864,557	352,462	1,787,172	8,541	213,490	7,449,717
Provisions	1,004,247	4,373,741	638,649	814,753	22,987	245,143	7,099,525
Cotton	502,708	957,453	1,679,715	362,003	96,496	360,020	3,958,395
Live-stock	766,271	5,073,225	543,055	3,711,344	16,617	703,707	10,814,219
Stone, lime, cement, clay, and sand.	987,709	6,292,027	336,364	1,095,176	6,128	282,918	9,000,322
Lumber and other forest products.	2,395,090	13,019,552	1,757,231	6,447,585	29,265	1,825,626	25,474,349
Coal	2,673,998	76,470,439	2,479,305	6,692,437	4,664	1,302,056	89,622,899
Petroleum	207,431	7,342,843	52,336	72,656	1,165	38,461	7,714,892
Pig, bloom, and railroad iron.	545,794	8,133,842	529,044	2,153,325	871	300,496	11,663,372
Manufactures	3,653,515	11,398,882	452,942	1,919,194	41,646	267,387	17,733,566
Merchandise and miscellaneous.	8,251,069	31,526,406	5,948,249	8,079,029	516,575	3,974,590	58,295,918
Unspecified	.....	.....	.....	.....	.....	66,717	66,717
Aggregate	24,978,661	192,446,645	15,866,552	45,407,775	750,601	11,447,161	290,897,395

Tonnage and passengers.

Freight tonnage: Number tons carried	290,897,395
Average miles hauled	111
Tons, one mile	32,348,846,693
Revenue	$416,145,758
Receipts per ton per mile	1.29 cents.
Cost per ton per mile	0.76 cents.
Profit per ton per mile	0.53 cents.

Passengers:	Number carried	269,583,340
	Average distance	23 miles.
	Passengers carried one mile	6,189,240,914
	Revenue	$144,101,709
	Receipts per passenger per mile (*a*)	2.33 cents.
	Cost per passenger per mile	1.71 cents.
	Profit per passenger per mile	0.61 cents.
Freight traffic:	Tons carried, local	153,163,276
	Tons carried, through	137,513,992
	Tons carried, total (*b*)	290,897,395
Passenger traffic:	Passengers, season (*c*)	23,665,251
	Passengers, local	244,178,377
	Passengers, through	25,404,963
	Passengers, total	269,583,340
Freight tonnage: (*d*)	Local	14,252,169,774
	Through	18,075,963,658
Revenue:	Local	$233,688,202
	Through	182,457,556
Average rate per mile:	Local	1.64 cents.
	Through	1.01 cents.
	Local and through	1.29 cents.

Passengers carried one mile are not separately specified for local and through.

Equipment.

	Number.
Locomotives	17,412
Passenger cars	12,330
Mail, express, and baggage cars	4,475
Freight cars	375,312
All other kinds of cars	80,138
Cost of equipment	$418,045,459

Employés.

		Number.	Aggregate.
General officers			3,375
General office clerks			8,655
Stationmen			63,380
Trainmen:	Engineers	18,977	
	Conductors	12,419	
	All others	48,254	
			79,650
Shopmen:	Machinists	22,766	
	Carpenters	23,202	
	All others	43,746	
			89,714
Trackmen			122,489
All other employés			51,694
Aggregate			418,957
Amount of yearly pay-rolls			$195,350,013

a Not including express or mails.
b This amount includes 220,127 tons of companies which omitted to specify them as through or local.
c Included in amount of local.
d Of freight tonnage 20,713,261 tons were left unspecified.

TABLE LXXXVI.—RAILROADS—*Accidents on railroads.*

A—CONDENSED SUMMARY.

To whom happened.	Through causes beyond their control.		Through their own carelessness.		Aggregate.		Total accidents.
	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	
Passengers	61	331	82	213	143	544	687
Employés	260	1,004	663	2,613	923	3,617	4,540
All other	43	103	1,429	1,348	1,472	1,451	2,923
Unspecified	.....	.....	.....	.....	3	62	65
Total	364	1,438	2,174	4,174	2,541	5,674	8,215

B—SUMMARY OF ACCIDENTS BY GEOGRAPHICAL GROUPS.

Geographical groups.	From causes beyond their control.						From their own carelessness.						Total killed.	Total injured.	Total accidents.
	Passengers.		Employés.		Others.		Passengers.		Employés.		Others.				
	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.			
The United States	61	331	260	1,004	43	103	82	213	663	2,613	1,429	1,348	*a* 2,541	*a* 5,674	8,215
Group I	....	11	19	49	1	12	15	17	64	138	151	91	250	318	568
Group II	24	157	119	480	28	54	37	110	360	1,546	844	850	1,412	3,197	4,609
Group III	....	12	30	109	2	1	5	20	41	165	83	83	161	390	551
Group IV	18	70	73	219	6	31	13	36	162	501	274	221	547	1,078	1,625
Group V	3	....	1	5	1	1	....	....	....	1	2	....	7	7	14
Group VI	16	81	18	142	5	4	12	30	35	262	75	103	164	684	848

a These amounts include 3 killed and 62 injured on roads in Group VI, whose companies did not specify such accidents separately, but only reported them in the aggregate.

STEAM CRAFT.

TABLE LXXXVII.—*Statement of the total number, tonnage, value, capital*

UNITED STATES INTERESTS—MERCHANT STEAM CRAFT.

	Interests.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
				Dollars.	*Dollars.*
	Grand total	5,139	1,221,206.93	80,192,495	112,005,600
1	United States waters (*g*)	4,778	1,194,888.98	78,848,325	110,478,080
2	State waters (*h*)	218	9,338.89	680,070	782,320
3	Canal interests	143	16,979.06	664,100	745,200

a In addition to the above there were 7,032 roustabouts employed on the western rivers.
b Gross earnings equal 75.9 per cent. on capital invested.
c Average wages, $406 97 per annum, including officers, crews, and roustabouts.
d Passengers lost, 197; employés, 106; run down, &c., 17; total, 320.
e Includes 867,120 tons freight reported towed by the barge lines of Saint Louis.

UNITED STATES WATERS—MERCHANT STEAM TONNAGE AND TRAFFIC.

[Waters with a navigable outlet and subject to customs and inspection laws.]

	Total	*a*4,778	1,194,888.98	78,848,325	110,478,080
	GROUP I.				
1	New England states	463	118,553.74	7,890,550	13,743,200
	GROUP II.				
2	Northwestern lakes	947	222,290.45	13,918,925	16,978,108
	GROUP III.				
3	Upper Mississippi river	366	83,918.09	3,004,050	6,086,760
	GROUP IV.				
4	Ohio river	473	107,472.48	5,661,500	6,051,522
	GROUP V.				
5	Middle states	1,459	432,803.26	32,763,850	48,091,084
	GROUP VI.				
6	Lower Mississippi river	315	48,303.06	2,851,550	3,260,450
	GROUP VII.				
7	Gulf of Mexico	126	41,610.67	3,272,800	3,713,466
	GROUP VIII.				
8	South Atlantic coast	266	30,833.13	2,515,300	3,135,100
	GROUP IX.				
9	Pacific coast	319	97,004.88	6,477,500	8,854,490
	GROUP X.				
10	Upper Missouri river	44	12,099.22	492,300	563,900

a Exclusive of canal interests of New York (city), New Jersey, and Pennsylvania. See Group V.
b In addition to the above there were 7,032 roustabouts employed on the western rivers.
c Average wages, $409 19 per annum, including officers, crews, and roustabouts.

STEAM CRAFT.

invested, service, and traffic of the steam craft of the United States for 1880.

UNITED STATES INTERESTS—MERCHANT STEAM CRAFT.

Crews (persons).	EARNINGS.		Paid for services.	Passenger traffic.	Freight traffic, in tons.	FUEL USED.		
	Gross earnings.	Percentage on capital.				Coal, in tons.	Wood, in cords.	
	Dollars.		*Dollars.*	*Number.*				
a 56,811	*b*85,091,067	75.9	*c*25,982,803	*d*168,463,001	*e*25,451,404	*f*3,827,993	*f*794,775	
55,453	83,903,537	75.9	25,568,296	167,683,106	24,819,523	3,782,852	784,785	1
636	387,326	49.5	132,790	774,395	54,035	11,427	9,771	2
722	800,204	107.3	281,717	5,500	577,846	33,714	219	3

f Average of coal used, per ton of custom-house measurement, 3.13 tons; wood, 0.65 cord.
g Waters with a navigable outlet and subject to customs and inspection laws of the United States.
h Waters within states, with no navigable outlet and not subject to customs and inspection laws of the United States.
i Including 18 cable-boats, measuring 1,800 tons, on the Erie canal.

UNITED STATES WATERS—MERCHANT STEAM TONNAGE AND TRAFFIC.

[Waters with a navigable outlet and subject to customs and inspection laws.]

b 55,453	83,903,537	75.9	*c*25,568,296	*d*167,683,106	24,819,523	*e* 3,782,852	*e* 784,785	
5,645	7,849,828	57.1	2,667,135	15,474,710	2,610,416	375,080	8,568	1
9,143	12,136,228	71.4	3,293,964	1,356,010	4,368,171	488,610	255,629	2
4,874	7,668,864	125.9	2,204,644	1,299,553	*f*3,500,035	525,331	93,318	3
7,090	7,628,924	126.0	2,847,085	3,961,798	2,446,353	676,347	16,474	4
17,268	31,856,519	66.2	8,812,469	135,653,282	7,217,415	1,272,857	12,642	5
3,959	4,168,989	127.8	1,626,029	1,385,357	1,276,972	184,951	112,254	6
1,919	2,806,310	75.5	1,016,800	79,260	694,343	41,993	62,556	7
1,886	2,598,709	82.8	845,251	1,787,065	553,222	64,995	66,835	8
3,008	6,362,770	71.8	1,953,451	6,604,712	2,087,293	146,407	103,446	9
661	826,396	146.5	301,468	81,359	65,303	6,281	53,063	10

d Passengers lost, 197; employés, 106; run down, &c., 17; total, 320.
e Average of coal used, per ton of custom-house measurement, 3.16 tons; wood, 0.65 cord.
f Includes 867,120 tons freight reported towed by the barge lines of Saint Louis.

TABLE LXXXVII.—STEAM CRAFT—*Statement of the total number, tonnage, value,*

STATE WATERS—STEAM TONNAGE AND TRAFFIC.

[Waters within states with no navigable outlet, and not subject to customs laws.]

	States.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
				Dollars.	*Dollars.*
	Total	218	9, 338. 89	680, 070	782, 320
1	Maine	25	647. 30	37, 400	87, 150
2	New Hampshire	18	931. 79	92, 300	92, 400
3	Vermont	2	13. 00	9, 000	9, 000
4	Massachusetts	7	32. 00	8, 900	11, 600
5	New York	80	5, 264. 00	265, 600	294, 300
6	Pennsylvania	12	209. 19	32, 500	52, 500
7	Michigan	25	635. 57	42, 000	42, 000
8	Wisconsin	24	613. 40	81, 700	81, 700
9	Minnesota	12	743. 00	76, 770	77, 770
10	Iowa	4	48. 00	4, 300	4, 300
11	California	9	201. 64	20, 600	29, 600

a Average wages, $208 78 per annum.

CANAL INTERESTS—STEAM CRAFT ON CANALS.

	Total	143	16, 979. 06	664, 100	745, 200
1	New York, west (*a*)	36	4. 042. 73	121, 800	124, 800
2	Illinois (*a*)	26	2, 567. 24	122, 500	134, 700
3	New York, city (*b*)	34	3, 828. 35	206, 000	206, 000
4	New Jersey (*b*)	12	1, 876. 93	59, 000	65, 000
5	Pennsylvania, east (*b*)	24	3, 533. 81	139, 000	198, 900
6	Maryland (*c*)	11	1, 130. 00	15, 800	15, 800

a The canal interests of Illinois and New York (west) cannot be properly classed in Group II.
b The canal interests of New York (city), New Jersey, and Pennsylvania (east) can properly be classed in Group V.

TABLE LXXXVIII.—*Statement of the number, tonnage, value, capital invested,*

GROUP I.—NEW ENGLAND STATES.

	States.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
				Dollars.	*Dollars.*
	Total	463	118, 553. 74	7, 890, 550	13, 743, 200
1	Maine	87	16, 344. 36	1, 098, 300	1, 903, 100
2	New Hampshire	7	267. 79	30, 000	35, 200
3	Vermont	10	2, 246. 26	212, 300	217, 250
4	Massachusetts	173	48, 885. 68	3, 257, 500	5, 217, 250
5	Rhode Island	70	21, 486. 52	1, 539, 650	3, 245, 100
6	Connecticut	116	29, 323. 13	1, 752, 200	3, 125, 300

a Average wages, $472 47 per annum.

capital invested, service and traffic of the steam craft of the United States, &c.—Continued.

STATE WATERS—STEAM TONNAGE AND TRAFFIC.

[Waters within states with no navigable outlet, and not subject to customs laws.]

Crews (persons).	Gross earnings.	Percentage on capital.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	Fuel used. Coal, in tons.	Fuel used. Wood, in cords.	
	Dollars.		*Dollars.*	*Number.*				
636	387, 326	.....	*a* 132, 790	774, 395	54, 035	*b* 11, 427	*b* 9, 771	
100	27, 615	.....	8, 898	18, 266	6, 712	5	2, 168	1
61	30, 592	.....	12, 244	43, 729	7, 908	12	1, 783	2
8	4, 500	.....	760	4, 000	3, 500	.....	700	3
13	6, 250	.....	1, 455	37, 575	.....	80	12	4
232	118, 706	.....	42, 776	313, 325	9, 315	8, 470	1, 278	5
35	58, 340	.....	9, 371	178, 490	.....	1, 064	8	6
36	37, 533	.....	14, 491	13, 310	11, 050	143	1, 865	7
59	25, 800	.....	11, 875	89, 000	.....	450	605	8
68	67, 400	.....	24, 300	60, 750	6, 750	1, 160	1, 109	9
7	1, 650	.....	620	8, 000	.....	43	43	10
17	8, 940	.....	6, 000	7, 950	8, 800	.....	200	11

b Average of coal used, per ton of measurement, 1.22 tons; wood, 1.04 cords.

CANAL INTERESTS—STEAM CRAFT ON CANALS.

722	800, 204	.....	281, 717	5, 500	577, 846	33, 714	219	
139	68, 130	.....	23, 595	5, 500	56, 946	2, 399	48	1
121	293, 826	.....	61, 414	.....	310, 420	10, 230	.....	2
167	131, 161	.....	109, 150	.....	20, 300	9, 923	.....	3
104	160, 926	.....	43, 715	.....	111, 200	4, 655	52	4
158	146, 161	.....	43, 843	.....	78, 980	6, 507	119	5
33	.....	.....	.....	.....	.....	.....	.....	6

c No traffic reported. Labor troubles in the Cumberland region interfered with traffic on the Chesapeake and Ohio canal in 1880.

service, and traffic of the steam craft on United States waters, by groups: 1880.

GROUP I.—NEW ENGLAND STATES.

Crews (persons.)	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	Fuel used. Coal, in tons.	Fuel used. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
5, 645	7, 849, 828	*a* 2, 667, 135	15, 474, 710	2, 610; 416	*b* 375, 080	*b* 8, 568	
724	892, 678	339, 674	530, 282	301, 862	42, 009	1, 776	1
24	20, 980	7, 360	11, 500	.....	630	15	2
102	103, 214	32, 045	92, 492	2, 530	4, 150	1; 203	3
2, 298	3, 240, 652	952, 703	13, 035, 790	694, 079	131, 414	811	4
1, 055	1, 485, 952	586, 760	831, 078	419. 939	53, 195	2, 564	5
1, 442	2, 106, 352	748, 593	973, 568	1, 192, 006	143, 682	2, 199	6

b Average of coal used, per ton of custom-house measurement, 3.16 tons; wood, 0.07 cord.

TABLE LXXXVIII.—STEAM CRAFT—*Statement of the number, tonnage,*

GROUP II.—NORTHWESTERN LAKES.

	States.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
				Dollars.	*Dollars.*
	Total	947	222, 290. 45	13, 918, 925	16, 978, 108
1	Michigan	397	66, 457. 85	4, 508, 725	5, 972, 903
2	Wisconsin (east)	114	12, 977. 00	769, 500	1, 093, 650
3	Illinois (east)	*c* 89	13, 468. 11	847, 800	1, 207, 435
4	Ohio (north)	117	38, 353. 27	2, 124, 700	3, 089, 400
5	Pennsylvania (Erie)	26	24, 969. 33	1, 630, 100	1, 956, 700
6	New York (west)	*d* 204	66, 064. 89	4, 038, 100	3, 658, 020

a Average wages, $360 27 per annum.
c Exclusive of canal interests, 26 steamers, measuring 2.567.24 tons, valued at $122,500; capital invested, $134,700; crew, 121; earnings, $293,826; services, $61,414; freight traffic, 310,420 tons; coal used, 10,230 tons.

GROUP III.—UPPER MISSISSIPPI RIVER.

	Total	366	83, 918. 09	3, 004, 050	6, 086, 760
1	Minnesota	49	4, 375. 52	196, 500	284, 252
2	Iowa (east)	55	6, 499. 66	283, 050	1, 238, 374
3	Wisconsin (west)	39	5, 658. 64	169, 200	204, 500
4	Illinois (west)	56	6, 510. 77	256, 500	540, 050
5	Missouri	167	60, 873. 50	2, 098, 800	3, 819, 584

a In addition to above there were 2,950 roustabouts employed.
b Average wages, $281 77 per annum, including officers, crews, and roustabouts.

GROUP IV.—OHIO RIVER.

	Total	473	107, 472. 48	5, 661, 500	6, 051 522
1	Pennsylvania (Pittsburgh)	151	33, 802. 12	2, 161, 400	2, 258, 050
2	West Virginia	61	7, 497. 34	312, 600	426, 600
3	Ohio (river)	119	35, 171. 33	1, 488, 000	1, 505, 422
4	Kentucky	91	23, 256. 89	1, 300, 500	1, 415, 950
5	Indiana	51	7, 744. 80	399, 000	445, 500

a In addition to the above there were 2,000 roustabouts employed.
b Average wages, $313 21 per annum; including officers, crews, and roustabouts.

GROUP V.—MIDDLE STATES.

	Total	*a* 1, 459	432, 803. 26	32, 763, 850	48, 091, 084
1	New York (east)	*d* 876	279, 244. 53	21, 077, 150	33, 535, 681
2	New Jersey	163	41, 811. 17	2, 402, 150	2, 943, 450
3	Pennsylvania (east)	203	54, 086. 66	4, 516, 300	5, 671, 243
4	Delaware	25	5, 877. 97	302, 300	497, 800
5	Maryland	158	44, 837. 16	3, 870, 950	4, 609, 950
6	District of Columbia	34	6, 945. 77	595, 000	832, 960

a Exclusive of canal interests.
b Average wages, $510 33 per annum.

GROUP VI.—LOWER MISSISSIPPI RIVER.

	Total	315	48, 303. 06	2, 851, 550	3, 260, 450
1	Tennessee	61	11, 348. 40	589, 000	708, 500
2	Arkansas	37	5, 046. 75	227, 400	270, 300
3	Mississippi	40	3, 657. 20	204, 450	242, 150
4	Louisiana	*d* 177	28, 250. 71	1, 830, 700	2, 039, 500

a Add 1,696 roustabouts to above.
b Average wages, $287 53 per annum.

value, capital invested, service, and traffic of the steam craft, &c.: 1880—Continued.

GROUP II.—NORTHWESTERN LAKES.

Crews (persons).	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	FUEL USED. Coal in tons.	FUEL USED. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
9,143	12,136,228	*a* 3,293,964	1,356,010	4,368,171	*b* 488,610	*b* 255,629	
3,263	4,316,428	1,281,256	804,454	929,120	197,886	172,176	1
665	723,884	270,741	116,983	382,100	27,983	34,803	2
787	950,149	315,115	166,743	250,762	34,973	34,267	3
868	1,648,596	379,601	35,826	782,882	79,411	3,408	4
1,646	1,219,816	352,963	32,169	476,780	32,567	.....	5
1,914	3,277,355	694,288	199,835	1,546,527	115,790	10,975	6

b Average of coal used, per ton of custom-house measurement, 2.19 tons; wood, 1.15 cords.
d Exclusive of canal interests, 36 steamers, measuring 4,042.73 tons, valued at $121,800; capital invested, $124.800; crew, 139; earnings, $68,130; services, $22,595; passenger traffic, 5,500; freight traffic, 56,946 tons; coal used, 2,399 tons; wood, 48 cords.

GROUP III.—UPPER MISSISSIPPI RIVER.

a 4,874	7,668,864	*b* 2,204,644	1,299,553	*c* 3,500,035	*d* 525,331	*d* 93,318	
501	427,254	166,199	63,054	14,027	8,312	28,331	1
665	638,894	230,462	141,590	305,476	45,300	14,128	2
536	453,807	205,385	48,921	54,318	14,875	20,896	3
439	587,960	179,223	403,685	569,399	57,185	4,878	4
2,733	5,560,949	1,423,375	642,303	*c* 2,556,815	399,659	25,085	5

c Includes 867,120 tons reported by the barge lines of Saint Louis.
d Average of coal used, per ton of custom-house measurement, 6.26 tons; wood, 1.11 cords.

GROUP IV.—OHIO RIVER.

a 7,090	7,628,924	*b* 2,847,085	3,961,798	2,446,353	*c* 676,347	*c* 16,474	
2,209	2,764,445	1,092,595	184,742	299,855	278,746	250	1
613	376,877	163,671	179,785	121,308	39,401	495	2
2,232	2,349,938	824,325	764,991	552,190	168,783	5,299	3
1,448	1,472,772	561,261	2,626,686	676,428	161,731	7,633	4
588	664,892	205,233	205,594	796,572	27,686	2,797	5

c Average of coal used, per ton of custom-house measurement, 6.29 tons; wood, 0.15 cord.

GROUP V.—MIDDLE STATES.

17,268	31,856,519	*b* 8,812,469	135,653,282	7,217,415	*c* 1,272,857	*c* 12,642	
11,028	22,357,754	5,858,691	93,370,484	3,270,839	799,553	7,194	1
1,271	2,615,793	838,001	39,991,653	1,669,231	109,030	1,884	2
1,982	3,366,763	938,563	1,227,714	1,065,732	210,357	820	3
229	139,993	55,289	67,590	152,760	8,461	1,749	4
2,521	3,075,640	1,038,825	908,832	995,353	124,717	870	5
237	300,576	83,100	87,009	63,500	20,739	125	6

c Average of coal used, per ton of custom-house measurement, 2.93 tons; wood, 0.02 cord.
d Including 18 cable boats, measuring 1,800 tons, on the Erie canal.

GROUP VI.—LOWER MISSISSIPPI RIVER.

a 3,959	4,168,989	*b* 1,626,029	1,385,357	1,276,972	*c* 184,951	*c* 112,254
976	1,035,196	329,329	76,203	399,565	75,110	27,573
480	389,671	146,356	57,979	82,635	2,835	31,096
443	300,149	238,931	33,131	93,364	5,764	10,843
2,060	2,443,973	911,413	1,218,044	701,408	101,242	42,772

c Average of coal used, per ton of custom-house measurement, 3.82 tons; wood, 2.32 cords.
d Exclusive of New Orleans ocean interests.

TABLE LXXXVIII.—STEAM CRAFT—*Statement of the number, tonnage,*

GROUP VII.—GULF OF MEXICO.

	States.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
	Total	126	41, 610, 67	*Dollars.* 3, 272, 800	*Dollars.* 3, 713, 466
1	Texas	35	4, 351. 91	196, 900	345, 466
2	Louisiana	*c* 18	25, 421. 68	2, 555, 000	2, 600, 000
3	Alabama	43	7, 168. 17	257, 600	421, 700
4	Florida (west)	30	4, 668. 91	263, 300	346, 300

a Average wages, $529 85 per annum.
b Average of coal used, per ton of custom-house measurement, 1.00 ton; wood, 1.50 cords.

GROUP VIII.—SOUTH ATLANTIC COAST.

	Total	266	30, 838. 13	2, 515, 300	3, 135, 100
1	Virginia	89	6, 251. 03	494,400	526, 350
2	North Carolina	52	3, 850. 86	205, 700	231, 900
3	South Carolina	41	5, 242. 10	242, 700	397, 850
4	Georgia	44	13, 331. 46	1, 387, 300	1, 686, 500
5	Florida (east)	40	2, 157. 69	185, 200	292, 500

a Average wages, $448 17 per annum, including officers and crews.

GROUP IX.—PACIFIC COAST.

	Total	319	97, 004. 88	6, 477, 500	8, 854, 490
1	California	*c* 178	58, 828. 80	3, 763, 200	5, 916, 836
2	Oregon	89	31, 370. 94	2, 177, 000	*d* 2, 394, 754
3	Washington	52	6, 805. 14	537, 300	542, 900

a Average wages, $649 41 per annum, including officers and crews.
b Average of coal used, per ton of custom-house measurement, 1.50 tons; wood, 1.06 cords.

GROUP X.—UPPER MISSOURI RIVER.

	Total	44	12, 099. 22	492, 300	563, 900
1	Nebraska	14	1, 193. 52	64, 300	87, 900
2	Dakota	19	7, 591. 67	328, 000	382, 000
3	Iowa (west)	11	3, 314. 03	100, 000	*f* 94, 000

a In addition to the above there were 386 roustabouts employed.
b Average wages, $287 93 per annum, including officers, crews, and roustabouts.
c Average of coal used, per ton of custom-house measurement, 0.51 ton; wood, 4.38 cords.
d Exclusive of railroad transfers, 20,366 passengers.

value, capital invested, service, and traffic of the steam craft, &c.: 1880—Continued.

GROUP VII.—GULF OF MEXICO.

Crews (persons).	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	FUEL USED. Coal, in tons.	FUEL USED. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
1,919	2,806,310	*a* 1,016,800	79,260	694,343	*b* 41,993	*b* 62,556	
350	336,456	164,951	4,803	168,422	3,697	11,112	1
514	1,654,843	506,405	13,533	278,469	28,144	.....	2
702	437,465	251,220	51,237	184,187	240	38,528	3
353	377,546	94,224	9,687	63,265	9,912	12,916	4

c Ocean steamship interests of New Orleans.

GROUP VIII.—SOUTH ATLANTIC COAST.

1,886	2,598,709	*a* 845,251	1,787,065	553,222	*b* 64,995	*b* 66,835	
491	567,793	187,661	1,556,669	139,048	29,904	3,621	1
335	419,964	110,335	39,421	189,219	5,030	14,569	2
332	386,260	150,936	135,604	97,264	7,889	19,657	3
494	1,091,430	325,157	34,701	114,030	22,045	15,831	4
234	133,262	71,162	30,730	13,661	127	13,157	5

b Average of coal used, per ton of custom-house measurement, 2.10 tons; wood, 2.16 cords.

GROUP IX.—PACIFIC COAST.

3,008	6,362,770	*a* 1,953,451	6,604,712	2,087,293	*b* 146,407	*b* 103,446	
1,970	4,011,084	1,158,200	6,309,502	1,561,256	137,349	14,123	1
788	1,983,703	602,576	159,903	476,898	8,233	22,889	2
250	367,983	192,675	135,307	49,139	825	66,434	3

c Exclusive of Pacific Mail interests owned in New York.
d Exclusive of dock, railroad, telegraph, and landed property of the Oregon Railway and Navigation Company.

GROUP X.—UPPER MISSOURI RIVER.

a 661	826,396	*b* 301,468	81,359	65,303	*c* 6,281	*c* 53,063	
63	55,304	29,775	*d* 68,060	*e* 8,520	3,986	1,365	1
392	450,955	152,979	8,114	38,686	295	31,394	2
206	320,137	118,714	*g* 5,245	*g* 18,097	2,000	20,304	3

e Exclusive of 311,660 tons railroad transfer freight.
f Original investment; boats built between 1870 and 1878, when labor and material were cheap.
g Exclusive of railroad transfers, 7,178 passengers and 162,414 tons of freight.

TABLE LXXXIX.—STEAM CRAFT—*Statement of the number, tonnage,*

MAINE.

	Class.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
				Dollars.	*Dollars.*
	Grand total	112	16,991.66	1,135,700	*a* 1,990,250
	UNITED STATES WATERS.				
1	Passenger	40	14,079.51	888,500	1,468,500
2	Ferry	6	555.28	31,100	35,200
3	Towing	28	1,310.49	150,200	363,600
4	Fishing	6	326.15	20,000	22,000
5	Yachts	7	72.93	8,500	13,800
	Total	87	16,344.36	1,098,300	1,903,100
	STATE WATERS.				
6	Passenger	25	647.30	37,400	87,150
	Total	25	647.30	37,400	87,150

a In 19 leading lines: amount invested, $1,555,000; number of boats, 41; tonnage, 13,195.24; length of routes, 1,644 miles.

NEW HAMPSHIRE.

	Grand total	25	1,199.58	122,900	*a* 127,600
	UNITED STATES WATERS.				
1	Passenger	2	179.20	22,000	22,000
2	Towing	2	77.59	6,500	9,000
3	Yachts	3	11.00	2,100	4,200
	Total	7	267.79	30,600	35,200
	STATE WATERS.				
4	Passenger	9	901.79	85,200	85,200
5	Yachts	9	30.00	7,100	7,200
	Total	18	931.79	92,300	92,400

a In 3 leading lines: amount invested, $76,000; number of boats, 5; tonnage, 647.15; length of routes, 70 miles.

VERMONT.

	Grand total	12	2,259.26	221,300	*a* 226,250
	UNITED STATES WATERS.				
1	Passenger	5	2,172.39	201,000	206,000
2	Yachts	5	73.87	11,300	11,250
	Total	10	2,246.26	212,300	217,250
	STATE WATERS.				
3	Passenger	2	13.00	9,000	9,000
	Total	2	13.00	9,000	9,000

a In 4 leading lines: amount invested, $211,000; number of boats, 6; tonnage, 2,156.77; length of routes, 188 miles.

value, capital invested, service, and traffic of the steam craft, by states: 1880.

MAINE.

Crews (persons).	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	FUEL USED. Coal, in tons.	FUEL USED. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
824	920, 293	*b* 348, 572	548, 548	308, 574	*c* 42, 014	*c* 3, 944	
556	833, 458	305, 802	319, 918	239, 498	32, 557	723	1
14	13, 914	9, 560	209, 704	62, 364	695	44	2
118	34, 786	18, 652	.....	.....	8, 070	1, 000	3
22	6, 545	3, 630	.....	.....	583	4	4
14	3, 975	2, 030	660	.....	104	5	5
724	892, 678	339, 674	530, 282	301, 862	42, 009	1, 776	
100	27, 615	8, 898	18, 266	6, 712	5	2, 168	6
100	27, 615	8, 898	18, 266	6, 712	5	2, 168	

b Average wages, $423 02 per annum.
c Average of coal used, per ton of custom-house measurement, 2.47 tons; wood, 0.23 cord.

NEW HAMPSHIRE.

85	51, 572	*b* 19, 604	55, 220	7, 908	*c* 642	*c* 1, 798	
9	9, 480	2, 800	7, 600	.....	280	7	1
8	9, 800	3, 700	.....	.....	310	5	2
7	1, 700	860	3, 900	.....	40	3	3
24	20, 980	7, 360	11, 500	.....	630	15	
44	29, 092	11, 159	37, 729	6, 708	9	1, 655	4
17	1, 500	1, 085	6, 000	1, 200	3	128	5
61	30, 592	12, 244	43, 729	7, 908	12	1, 783	

b Average wages, $230 63 per annum.
c Average of coal used, per ton of custom-house measurement, 0.53 ton; wood, 1.49 cords.

VERMONT.

110	107, 714	*b* 32, 805	96, 492	6, 030	*c* 4, 150	*c* 1, 903	
89	95, 544	28, 962	86, 266	2, 200	3, 730	1, 200	1
13	7, 670	3, 083	6, 226	330	420	3	2
102	103, 214	32, 045	92, 492	2, 530	4, 150	1, 203	
8	4, 500	760	4, 000	3, 500	.....	700	3
8	4, 500	760	4, 000	3, 500	.....	700	

b Average wages, $298 22 per annum.
c Average of coal used, per ton of custom-house measurement, 1.83 tons; wood, 0.84 cord.

TABLE LXXXIX.—STEAM CRAFT—*Statement of the number, tonnage, value,*

MASSACHUSETTS.

	Class.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
				Dollars.	*Dollars.*
	Grand total	180	48, 917. 68	3, 266, 400	*a* 5, 228, 850
	UNITED STATES WATERS.				
1	Passenger, ocean	11	12, 017. 10	583, 000	931, 000
2	Passenger, inland	47	26, 538. 73	1, 857, 500	2, 725, 500
3	Ferry	13	5, 046. 55	268, 000	772, 000
4	Freight	9	1, 262. 28	41, 700	63, 200
5	Towing	48	2, 192. 29	249, 100	453, 200
6	Yachts	30	315. 02	63, 600	71, 450
7	Fishing	11	1, 458. 25	187, 500	190, 000
8	Water	4	55. 46	7, 100	10, 900
	Total	173	48, 885. 68	3, 257, 500	5, 217, 250
	STATE WATERS.				
9	Yachts	7	32. 00	8, 900	11, 600
	Total	7	32. 00	8, 900	11, 600

a In 11 leading lines: amount invested, $3,475,872; number of boats, 35; tonnage, 24,118.12; length of routes, 2,513 miles.
b Average wages, $412 87 per annum.

RHODE ISLAND.

	Total	70	21, 486. 52	1, 539, 650	*a* 3, 245, 100
1	Passenger	21	14, 777. 11	1, 207, 800	2, 802, 300
2	Ferry	1	115. 06	12, 000	13, 000
3	Towing	5	185. 04	19, 500	19, 500
4	Freight	7	4, 784. 94	111, 500	190, 500
5	Fishing	19	1, 440. 13	146, 500	175, 500
6	Yachts	*e* 17	184. 24	42, 350	44, 300

a In 6 leading lines: amount invested, $2,942,100; number of boats, 21; tonnage, 19,696.37; length of routes, 300 miles.
b Average wages, $556 17 per annum.

CONNECTICUT.

	Total	116	29, 323. 13	1, 752, 200	*a* 3, 125, 300
1	Passenger	36	17, 994. 77	1, 004, 200	2, 057, 900
2	Ferry	11	4, 140. 14	241, 600	305, 900
3	Towing	21	838. 55	99, 500	194, 500
4	Freight	12	4, 487. 65	217, 000	332, 500
5	Fishing	26	1, 746. 14	176, 600	220, 000
6	Yachts	*e* 10	115. 88	13, 300	14, 500

a In 17 leading lines: amount invested, $2,879,841; number of boats, 41; tonnage, 21,629.58; length of routes, 1,308 miles.
b Average wages, $519 13 per annum.

MICHIGAN.

	Grand total	*a* 422	67, 093. 42	4, 550, 725	*b* 6, 014, 903
	UNITED STATES WATERS.				
1	Passenger	64	23, 110. 80	1, 419, 900	1, 644, 697
2	Ferry	18	2, 962. 43	299, 700	347, 300
3	Freight	68	27, 898. 15	1, 712, 000	2, 388, 565
4	Towing	176	11, 194. 72	966, 200	1, 436, 366
5	Yachts	71	1, 291. 75	110, 925	155, 975
	Total	397	66, 457. 85	4, 508, 725	5, 972, 903

a Two steamers, measuring 715.47 tons, not included in the above, were in existence a part of the year 1880, and 8 steamers laid up, measuring 464 93 tons, included in the above.
b In 30 leading lines: amount invested, $2,480,637; number of boats, 71; tonnage, 27,451.24; length of routes, 10,874 miles.

capital invested, service, and traffic of the steam craft, by states: 1880—Continued.

MASSACHUSETTS.

Crews (persons).	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	FUEL USED. Coal, in tons.	FUEL USED. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
2,311	3,246,902	*b* 954,158	13,073,365	694,079	*c* 131,494	*c* 823	
344	732,698	221,444	9,094	329,844	24,874	139	1
1,188	1,703,782	406,675	1,764,761	271,062	69,574	342	2
81	281,026	122,450	11,261,935	(*d*)	8,552	41	3
142	188,380	43,487	.....	93,173	8,676	22	4
284	206,562	96,667	.....	.....	16,686	108	5
83	*e* 7,540	11,480	.....	.....	632	73	6
156	105,600	43,300	.....	.....	1,960	70	7
14	15,064	7,800	.....	.....	460	16	8
2,298	3,240,652	952,703	13,035,790	694,079	131,414	811	
13	6,250	1,455	37,575	.....	80	12	9
13	6,250	1,455	37,575	.....	80	12	

c Average of coal used, per ton of custom-house measurement, 2.68 tons; wood, 0.02 cord.
d Teams, carriages, carts, and horses reported by the ferries of Boston, 852,367.
e Earned by towing.

RHODE ISLAND.

1,055	1,485,952	*b* 586,760	*c* 831,078	419,939	*d* 53,195	*d* 2,564	
617	790,531	315,165	796,078	250,080	28,231	989	1
4	5,854	2,280	35,000	3,000	365	2	2
22	67,467	19,786	.....	.....	2,100	43	3
168	429,544	179,892	.....	166,859	16,469	595	4
229	192,556	65,287	.....	.....	5,962	932	5
15	.....	4,350	.....	.....	68	3	6

c Twenty-seven passengers and 1 employé lost.
d Average of coal used, per ton of custom-house measurement, 2.47 tons; wood, 0.12 cord.
e Five only in service.

CONNECTICUT.

1,442	2,106,352	*b* 748,593	*c* 973,568	1,192,006	*d* 143,682	*d* 2,199	
804	1,245,450	424,586	450,018	559,352	65,520	1,859	1
88	176,565	40,234	523,260	337,396	7,657	34	2
141	169,289	56,904	.....	.....	47,396	82	3
191	426,346	171,939	.....	296,258	16,751	69	4
187	88,502	54,235	.....	.....	6,240	145	5
31	200	695	300	.....	118	10	6

c One employé lost.
d Average of coal used, per ton of custom-house measurement, 4.89 tons; wood, 0.07 cord.
e Four only in service.

MICHIGAN.

3,299	4,353,961	*c* 1,295,747	*d* 817,764	940,170	*e* 198,029	*e* 174,041	
1,102	1,242,183	373,717	471,384	374,916	54,071	71,109	1
88	72,412	41,308	280,728	3,850	6,881	4,568	2
892	1,621,769	431,776	.....	544,343	66,881	25,496	3
961	1,234,306	371,544	.....	.....	67,505	61,923	4
220	145,758	62,911	52,342	6,011	2,548	9,080	5
3,263	4,316,428	1,281,256	804,454	929,120	197,886	172,176	

c Average wages, $392 76 per annum.
d Eighty-six passengers and 5 employés lost.
e Average of coal used, per ton of custom-house measurement, 2.95 tons; wood, 2.59 cords.

TABLE LXXXIX.—STEAM CRAFT—*Statement of the number, tonnage, value,*

MICHIGAN—Continued.

	Class.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
	STATE WATERS.			*Dollars.*	*Dollars.*
6	Passenger	12	451.00	24,900	24,900
7	Yachts	5	25.00	4,200	4,200
8	Towing	8	159.57	12,900	12,900
	Total	25	635.57	42,000	42,000

WISCONSIN.

	Grand total	*a* 177	19,249.04	1,020,400	*b* 1,379,850
	UNITED STATES WATERS.				
	Lake.				
1	Passenger	21	1,329.64	84,900	82,650
2	Ferry	2	46.93	4,000	4,000
3	Freight	23	9,069.51	426,300	545,900
4	Towing	55	2,303.38	223,900	425,550
5	Yachts	13	227.54	30,400	35,550
	Total	114	12,977.00	769,500	1,093,650
	River.				
6	Passenger	12	2,763.34	75,700	97,786
7	Ferry	4	147.61	5,600	15,800
8	Towing	23	2,747.69	87,900	90,914
	Total	39	5,658.64	169,200	204,500
	STATE WATERS.				
9	Passenger	12	459.00	46,500	46,500
10	Yachts	12	154.40	35,200	35,200
	Total	24	613.40	81,700	81,700

a Four steamers, measuring 229.32 tons, laid up, included in the above.
b In 10 leading lines: amount invested, $644,500; number of steamers, 27; tonnage, 11,084.02; length of routes, 3,240 miles.

ILLINOIS.

	Grand total	*a* 171	22,546.12	1,226,800	*b* 1,882,185
	LAKE.				
1	Passenger	13	9,180.50	457,000	800,000
2	Freight	10	2,486.05	111,500	122,500
3	Towing	51	1,559.89	244,400	245,400
4	Yachts	15	241.67	34,900	39,535
5	Canal	26	2,567.24	122,500	134,700
	Total	115	16,035.35	970,300	1,342,135
	RIVER.				
6	Passenger	12	2,203.81	59,600	106,600
7	Ferry	23	2,925.99	122,500	344,700
8	Towing	21	1,380.97	74,400	88,750
	Total	56	6,510.77	256,500	540,050

a Three steamers laid up, measuring 95.10 tons, included in the above.
b In 7 leading lines: amount invested, $932,000; number of boats, 21; tonnage, 12,869.29; length of routes, 2,449 miles.
c Average wages, $393.59 per annum.

capital invested, service, and traffic of the steam craft, by states: 1880—Continued.

MICHIGAN—Continued.

Crews (persons).	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	FUEL USED. Coal, in tons.	FUEL USED. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
25	18,181	7,984	13,310	11,050	.....	1,535	6
.....	.....	.....	.....	.....	.....	.....	7
11	19,352	6,507	.....	.....	143	330	8
36	37,533	14,491	13,310	11,050	143	1,865	

WISCONSIN.

1,260	1,203,491	*c* 488,001	254,904	436,418	*d* 43,308	*d* 56,304	
113	72,505	21,608	53,071	28,991	216	9,504	1
8	12,000	3,000	62,812	.....	600	.....	2
226	359,844	120,029	.....	352,959	15,027	6,084	3
272	242,004	107,754	.....	.....	8,778	18,860	4
46	37,531	18,350	1,100	150	3,362	355	5
665	723,884	270,741	116,983	382,100	27,983	34,803	
245	144,989	50,672	26,021	54,318	3,805	4,132	6
13	6,210	4,300	22,900	.....	.....	1,480	7
278	302,608	150,413	.....	.....	11,070	15,284	8
e 536	453,807	205,385	48,921	54,318	14,875	20,896	
39	22,800	6,555	89,000	.....	365	325	9
20	3,000	5,320	.....	.....	85	280	10
59	25,800	11,875	89,000	.....	450	605	

c Average wages, $327 29 per annum.
d Average of coal used, per ton of custom-house measurement, 2.24 tons; wood, 2.92 cords.
e In addition to the above there were 231 roustabouts employed on the rivers.

ILLINOIS.

1,347	1,831,935	*c* 555,752	570,428	1,130,581	*d* 102,388	*d* 39,145	
405	369,855	116,936	74,371	212,666	7,878	23,927	1
125	196,638	61,683	.....	38,096	3,631	7,940	2
228	371,158	133,506	.....	.....	22,934	2,400	3
29	12,498	5,990	92,372	.....	530	.....	4
121	293,826	61,414	.....	310,420	10,230	.....	5
908	1,243,975	376,529	166,743	561,182	45,203	34,267	
167	183,442	60,428	49,450	114,734	16,328	1,466	6
110	270,294	55,317	354,235	454,665	27,807	1,581	7
162	134,224	63,478	.....	.....	13,050	1,831	8
e 439	587,960	179,223	*f* 403,685	569,399	57,185	4,878	

d Average of coal used, per ton of custom-house measurement, 4.54 tons; wood, 1.73 cords.
e In addition to the above there were 65 roustabouts.
f Three persons burned.

TABLE LXXXIX.—STEAM CRAFT—*Statement of the number, tonnage, value,*

OHIO.

	Class.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
				Dollars.	*Dollars.*
	Grand total	*a* 236	73, 521. 60	3, 612, 700	4, 594, 822
	RIVER.				
1	Passenger	61	29, 254. 00	1, 238, 000	1, 230, 235
2	Ferry	20	1, 293. 30	50, 100	64, 062
3	Towing	32	4, 580. 79	191, 900	202, 825
4	Yachts	6	43. 24	8, 000	8, 300
	Total	*e* 119	35, 171. 33	1, 488, 000	1, 505, 422
	LAKE.				
5	Passenger	6	1, 067. 76	63, 000	115, 000
6	Freight	47	35, 179. 15	1, 791, 000	2, 654, 800
7	Towing	55	2, 004. 80	253, 700	300, 900
8	Yachts	9	101. 56	17, 000	18, 700
	Total	*g* 117	38, 353. 27	2, 124, 700	3, 089, 400

a In 24 leading passenger and freight lines: capital invested, $2,875,247; number of boats, 60; tonnage, 44,630 73; length of routes, 15,696 miles.
b Average wages, $337 51 per annum.
c Two employés lost.

MINNESOTA.

	Grand total	61	5, 118. 52	273, 270	362, 022
	UNITED STATES WATERS.				
1	Passenger	11	998. 35	39, 200	50, 800
2	Ferry	4	245. 80	10, 500	17, 252
3	Towing	34	3, 131. 37	146, 800	216, 200
	Total	49	4, 375. 52	196, 500	284, 252
	STATE WATERS.				
4	Passenger	9	658. 00	70, 770	71, 770
5	Towing	3	85. 00	6, 000	6, 000
	Total	12	743. 00	76, 770	77, 770

a Average wages, $334 79 per annum.
b One passenger and one employé lost.

IOWA.

	Grand total	*a* 70	9, 861. 69	387, 350	1, 336, 674
1	Passenger	22	5, 241. 04	166, 700	374, 000
2	Ferry	13	1, 612. 01	85, 700	293, 974
3	Towing	26	2, 931. 81	127, 800	659, 000
4	Yachts	5	28. 83	2, 850	5, 400
	Total	*e* 66	9, 813. 69	383, 050	1, 332, 374
	STATE WATERS.				
5	Passenger	4	48. 00	4, 300	4, 306
	Total	4	48. 00	4, 300	4, 300

a One steamer, measuring 94.26 tons, not included in the above, was in existence a part of the year 1880.
b In addition to the above there were 467 roustabouts employed.

capital invested, service, and traffic of the steam craft, by states: 1880—Continued.

OHIO.

Crews (persons).	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	FUEL USED. Coal, in tons.	FUEL USED. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
3,100	3,998,534	*b* 1,203,926	*c* 800,817	1,335,072	*d* 248,194	*d* 8,707	
1,806	1,892,822	667,105	414,645	549,190	111,312	5,224	1
60	49,726	21,659	350,346	3,000	4,643	.....	2
349	407,390	134,121	.....	.....	52,668	75	3
17	.....	1,440	.....	.....	160	.....	4
f 2,232	2,349,938	824,325	764,991	552,190	168,783	5,299	
40	37,000	10,770	34,526	10,500	2,840	25	5
587	1,343,479	279,009	.....	772,382	56,203	1,916	6
223	264,517	86,822	.....	.....	20,018	1,467	7
18	3,600	3,000	1,300	.....	350	.....	8
868	1,648,596	379,601	35,826	782,882	79,411	3,408	

d Average of coal used, per ton of custom-house measurement, 3.37 tons; wood, 11 cords.
e Laid up on the river, 3 steamers, measuring 344.56 tons, included in the above.
f Roustabouts, 467, not included.
g Laid up on the lakes, 4 steamers, measuring 343.42 tons, included in the above.

MINNESOTA.

569	494,654	*a* 190,499	*b* 123,804	20,777	*c* 9,472	*c* 29,440	
102	64,933	26,488	44,730	14,027	578	4,821	1
17	14,166	6,807	18,324	.....	.....	1,581	2
382	348,155	132,904	.....	.....	7,734	21,929	3
501	427,254	166,199	63,054	14,027	8,312	28,331	
47	31,400	14,300	60,750	6,750	560	443	4
21	36,000	10,000	.....	.....	600	666	5
68	67,400	24,300	60,750	6,750	1,160	1,109	

c Average of coal used, per ton of custom-house measurement, 1.85 tons; wood, 5.75 cords.

IOWA.

b 878	960,681	*c* 349,796	162,013	485,987	*d* 47,343	*d* 34,475	
433	583,499	195,475	39,665	201,190	25,837	25,974	1
70	148,365	47,157	108,898	284,797	4,117	2,275	2
352	222,767	104,769	.....	.....	17,116	5,908	3
16	4,400	1,775	5,450	.....	230	275	4
871	959,031	349,176	154,013	485,987	47,300	34,432	
7	1,650	620	8,000	.....	43	43	5
7	1,650	620	8,000	.....	43	43	

c Average wages, $260 07 per annum.
d Average of coal used, per ton of custom-house measurement, 4.80 tons; wood, 3.49 cords.
e Including lines on the Upper Missouri river.

TABLE LXXXIX—STEAM CRAFT—*Statement of the number, tonnage, value,*

MISSOURI.

	Class.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
				Dollars.	*Dollars.*
	Total	*a* 167	60, 873. 50	2, 098, 800	*b* 3, 819, 534
1	Passenger	60	40, 728. 21	1, 166, 700	2, 007, 784
2	Ferry	37	6, 526. 11	310, 800	321, 050
3	Freight	13	3, 029. 48	47, 300	62, 600
4	Towing	46	10, 532. 73	569, 850	1, 423, 350
5	Yachts	11	56. 97	4, 150	4, 800

a Two steamers included in above, measuring 54.75 tons, were laid up. Six steamers, measuring 2,683.70 tons, not included, were in existence a part of the year 1880.
b In 12 leading lines: amount invested, $1,943,000; number of boats, 40; tonnage, 31,492.55; length of routes, 9,228 miles.
c In addition to above there were 2,330 roustabouts employed.

WEST VIRGINIA.

	Total	*a* 61	7, 497. 34	312, 600	426, 600
1	Passenger	32	5, 291. 69	206, 600	258, 900
2	Ferry	9	480. 11	19, 100	22, 200
3	Towing	20	1, 725. 54	86, 900	145, 500

a One steamer, measuring 146.96 tons, laid up, included in the above.
b In addition to the above there were 256 roustabouts.
c Average wages, $188 34 per annum, including officers, crews, and roustabouts.

KENTUCKY.

	Total	*a* 91	23, 256. 89	1, 300, 500	1, 415, 950
1	Passenger	43	18, 556. 59	1, 071, 100	1, 092, 050
2	Ferry	13	1, 446. 19	49, 900	62, 200
3	Towing	35	3, 254. 11	176, 500	261, 700

a One steamer, measuring 246.49 tons, not included in the above, was in existence a part of the year 1880. Five steamers, measuring 1,413.20 tons, included in the above, laid up.
b In addition to the above there were 517 roustabouts employed.

INDIANA.

	Total	*a* 51	7, 744. 80	399, 000	445, 500
1	Passenger	24	6, 044. 94	275, 600	311, 300
2	Ferry	9	817. 23	64, 900	65. 700
3	Freight	4	196. 32	3, 300	7, 300
4	Towing	14	686. 31	55, 200	61 200

a Three steamers, measuring 97.37 tons, included in the above, were laid up.
b In addition to the above there were 64 roustabouts.
c Average wages, $314 77 per annum, including officers, crews, and roustabouts.

NEW YORK.

	Grand total	*a* 1, 230	358, 444. 50	25, 708, 650	37, 818, 801
	UNITED STATES WATERS.				
	New York city.				
1	Ocean passenger	61	121, 060. 33	11, 041, 000	18, 105, 450
2	Inland passenger	97	49, 676. 97	3, 094, 000	5, 471. 900
3	Ferry	77	29, 291. 52	1, 701, 000	2, 720, 500
4	Freight	49	21. 924. 07	837, 500	1, 275, 900
5	Towing	287	14, 176. 25	1, 579, 900	2, 252, 381

a Laid up, 43 steamers, measuring 16,138.30 tons, valued at $795,800, included in the above.
b Average wages, $499 14 per annum.
c Sixty-seven passengers and forty-six employés lost.

capital invested, service, and traffic of the steam craft, by states: 1880—Continued.

MISSOURI.

Crews (persons).	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	FUEL USED. Coal, in tons.	FUEL USED. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
c 2,733	5,560,949	d 1,423,375	e 642,303	f 2,556,815	g 399,659	g 25,085	
1,760	2,928,415	919,609	181,300	1,003,793	197,644	20,082	1
218	582,159	147,479	461,003	618,152	39,141	2,249	2
116	141,908	56,227	.....	67,750	6,245	1,396	3
625	1,907,817	299,224	.....	867,120	156,582	1,328	4
19	650	836	.....	.....	47	30	5

d Average wages, $281 13 per annum, the short season accounting for the low average.
e One employé lost.
f Including 867,120 tons reported by the barge line of Saint Louis.
g Average of coal used, per ton of custom-house measurement, 6.56 tons; wood, 0.45 cord.

WEST VIRGINIA.

b 613	376,877	c 163,671	d 179,785	121,308	e 39,401	e 495	
430	243,166	99,771	124,215	119,580	21,211	190	1
23	18,700	9,515	55,570	1,728	2,168	5	2
160	115,011	54,385	.....	.....	16,022	300	3

d Two employés lost.
e Average of coal used, per ton of custom-house measurement, 5.25; wood, 0.06 cord.

KENTUCKY.

b 1,448	1,472,772	c 561,261	d 2,626,686	676,428	e 161,731	e 7,633	
1,060	1,101,975	418,782	275,925	552,428	124,896	6,018	1
76	88,500	31,165	2,350,761	124,000	8,469	652	2
312	282,297	111,314	.....	.....	28,366	963	3

c Average wages, $285 62 per annum, including officers, crews, and roustabouts.
d Five passengers and two employés lost.
e Average of coal used, per ton of custom-house measurement, 6.95 tons; wood, 0.32 cord.

INDIANA.

b 588	664,892	c 205,233	d 205,594	796,572	e 27,686	e 2,797	
465	560,763	169,004	45,709	790,635	20,203	2,237	1
42	45,607	12,582	159,885	.....	3,656	.....	2
14	10,011	3,115	.....	5,937	552	50	3
67	48,511	20,532	.....	.....	3,275	510	4

d Four employés lost.
e Average of coal used, per ton of custom-house measurement, 3.57 tons; wood, 0.36 cord.

NEW YORK.

13,480	25,953,106	b 6,728,500	c 93,889,144	4,903,927	d 936,135	d 19,495	
3,428	10,720,321	2,439,699	85,069	1,331,988	262,718	516	1
1,853	2,636,695	648,042	3,304,923	636,433	97,006	4,380	2
1,135	2,909,962	834,809	87,972,881	.....	109,030	70	3
660	956,520	373,167	.....	773,200	36,920	173	4
1,747	2,504,186	837,784	.....	.....	155,240	752	5

d Average of coal used, per ton of custom-house measurement, 2.61 tons; wood, 0.05 cord on operating steamers.

TABLE LXXXIX.—STEAM CRAFT—*Statement of the number, tonnage, value,*

NEW YORK—Continued.

	States.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
	UNITED STATES WATERS—continued.				
	New York city—continued.			*Dollars.*	*Dollars.*
6	Fishing	32	2,467.15	285,000	309,500
7	Canal	*a* 34	3,828.35	206,000	266,000
8	Yachts	71	1,609.63	260,100	289,700
9	Miscellaneous	28	3,830.93	239,000	339,500
	Total	736	257,865.20	19,243,500	30,970,831
	Western lakes.				
10	Passenger	27	13,074.90	870,000	871,775
11	Ferry	8	614.90	36,800	45,000
12	Freight	42	48,419.62	2,707,700	2,272,295
13	Towing	86	3,127.07	281,000	310,150
14	Canal	36	4,042.73	121,800	124,800
15	Yachts	41	828.40	142,600	158,800
	Total	240	70,107.62	4,159,900	*b* 3,782,820
	Hudson river.				
16	Inland passenger	19	11,344.65	1,022,000	1,117,000
17	Ferry	15	2,486.39	142,000	170,300
18	Towing	109	11,097.34	825,400	1,429,600
19	Yachts	31	279.30	50,250	53,950
	Total	174	25,207.68	2,039,650	2,770,850
	STATE WATERS.				
20	Passenger	22	4,673.50	177,000	199,000
21	Yachts	58	590.50	88,600	95,300
	Total	80	5,264.00	265,600	294,300

a Including 18 cable-boats on the Erie canal, measuring 1,800 tons.

NEW JERSEY.

	Total	*a* 175	43,688.10	2,461,150	3,008,450
1	Passenger	24	9,214.82	380,000	461,700
2	Ferry	36	23,463.46	1,274,000	1,138,700
3	Freight	18	3,210.11	169,000	228,500
4	Towing	65	5,754.08	551,400	1,087,200
5	Canal	12	1,876.93	59,000	65,000
6	Yachts	20	168.70	27,750	27,350

a Four steamers, measuring 396.23 tons, laid up, included in the above.
b Average wages, $641 24 per annum.

PENNSYLVANIA.

	Grand total	416	116,601.11	8,479,300	10,137,393
	UNITED STATES WATERS.				
	Atlantic coast.				
1	Ocean passenger	10	17,538.84	1,175,000	1,406,400
2	Inland passenger	19	7,719.84	656,500	779,500
3	Ferry	8	1,649.48	229,000	130,000
4	Freight	25	18,435.17	1,123,500	1,619,606
5	Towing	115	8,230.32	1,246,500	1,629,937

a Average wages, $404 20 per annum, including officers, crews, and roustabouts.
b One employé and one passenger lost.

capital invested, service, and traffic of the steam craft, by states: 1880—Continued.

NEW YORK—Continued.

Crews (persons).	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	FUEL USED. Coal, in tons.	FUEL USED. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
418	89, 094	47, 378	.....	.....	9, 330	244	6
167	131, 161	109, 150	.....	20, 300	9, 923	.....	7
177	21, 697	28, 972	33, 125	.....	3, 266	65	8
251	439, 503	193, 400	.....	.....	7, 196	66	9
9, 836	20, 409, 139	5, 512, 401	91, 395, 998	2, 761, 921	690, 629	6, 266	
429	796, 566	149, 446	109, 115	374, 739	26, 914	3, 631	10
29	37, 852	9, 007	86, 220	15, 050	1, 530	1, 020	11
971	1, 910, 890	388, 676	.....	1, 156, 438	59, 307	5, 839	12
397	514, 875	128, 264	.....	.....	25, 931	382	13
139	68, 130	23, 595	5, 500	56, 946	2, 399	48	14
88	17, 172	18, 895	4, 500	300	2, 108	103	15
2, 053	3, 345, 485	717, 883	205, 335	1, 603, 473	118, 189	11, 023	
373	662, 501	142, 927	572, 958	529, 218	26, 115	209	16
68	171, 830	47, 317	1, 362, 228	.....	6, 472	18	17
860	1, 230, 438	257, 868	.....	.....	85, 445	685	18
58	15, 007	7, 328	39, 300	.....	815	16	19
1, 359	2, 079, 776	455, 440	1, 974, 486	529, 218	118, 847	928	
142	94, 278	32, 122	242, 885	8, 164	7, 366	1, 046	20
90	24, 428	10, 654	70, 440	1, 151	1, 104	232	21
232	118, 706	42, 776	313, 325	9, 315	8, 470	1, 278	

b Original capital; reinvestment of profits not given.

NEW JERSEY.

1, 375	2, 776, 719	*b* 881, 716	39, 991, 653	1, 780, 431	*c* 113, 685	*c* 1, 936	
260	356, 987	101, 387	2, 356, 535	257, 983	20, 180	1, 682	1
401	1, 247, 477	383, 293	37, 628, 278	1, 149, 548	42, 571	5	2
137	67, 548	56, 628	.....	261, 680	7, 032	136	3
445	939, 036	292, 583	.....	.....	39, 021	55	4
104	160, 926	43, 715	.....	111, 200	4, 655	52	5
28	4, 745	4, 110	6, 840	20	226	6	6

c Average of coal used, per ton of custom-house measurement, 2.60 tons; wood, 0.04 cord.

PENNSYLVANIA.

6, 030	7, 555, 525	*a* 2, 437, 335	*b* 1, 623, 115	1, 921, 347	*c* 529, 241	*c* 1, 197	
512	1, 419, 884	388, 184	14, 376	234, 915	65, 576	.....	1
207	261, 945	59, 437	695, 238	97, 040	27, 772	374	2
123	78, 262	23, 985	501, 250	2, 100	4, 109	23	3
364	936, 237	165, 377	.....	729, 877	55, 292	270	4
691	666, 635	260, 489	.....	.....	55, 101	146	5

c Average of coal used, per ton of custom-house measurement, 4. 53 tons; wood, 0. 01 cord.

TABLE LXXXIX.—STEAM CRAFT—*Statement of the number, tonnage, value,*

PENNSYLVANIA—Continued.

	Class.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
	UNITED STATES WATERS—continued.				
	Atlantic coast—continued.			*Dollars.*	*Dollars.*
6	Yachts	26	522.04	85,800	105,800
7	Canal	24	3,533.81	139,000	198,900
	Total	227	57,620.47	4,655,300	5,870,143
	Western rivers.				
8	Passenger	24	7,010.67	361,100	428,000
9	Ferry	7	624.69	20,000	40,000
10	Towing	120	26,166.76	1,780,300	1,790,050
	Total	151	33,802.12	2,161,400	2,258,050
	Northern lakes.				
11	Passenger	10	8,707.66	664,700	957,000
12	Freight	12	16,101.68	945,800	982,500
13	Towing	3	85.09	9,600	7,200
14	Yachts	1	74.90	10,000	10,000
	Total	26	24,969.33	1,630,100	1,956,700
	State waters.				
15	Passenger	12	209.19	32,500	52,500
	Total	12	209.19	32,500	52,500

DELAWARE.

	UNITED STATES WATERS.				
	Total	*a* 25	5,877.97	302,300	497,800
1	Passenger	7	3,736.13	170,000	329,000
2	Freight	4	1,740.48	65,000	75,000
3	Towing	9	353.81	59,500	86,000
4	Yachts	5	47.55	7,800	7,800

a Two steamers included that are sailing under a foreign flag; capital held in this state and company organized under the laws of Delaware.
b Average wages, $241 43 per annum.

MARYLAND.

	Total	*a* 169	45,967.16	3,886,750	4,625,750
1	Ocean passenger	7	9,615.06	728,500	1,283,100
2	Inland passenger	40	20,184.91	1,871,000	1,670,400
3	Ferry	4	1,854.07	97,750	88,750
4	Freight	21	9,678.31	528,000	872,450
5	Towing	75	3,304.92	576,800	625,450
6	Canal	11	1,130.00	15,800	15,800
7	Yachts	11	199.89	68,900	69,800

a Eleven canal steamers, measuring 1,130 tons, value $15,800, and one steamer, measuring 1,045.32 tons, laid up, included in the above.
b Average wages, $406 74 per annum.

capital invested, service, and traffic of the steam craft, by states: 1880—Continued.

PENNSYLVANIA—Continued.

Crews (persons).	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	FUEL USED. Coal, in tons.	FUEL USED. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
85	3,800	41,091	16,850	1,800	2,507	7	6
158	146,161	43,843	.....	78,980	6,507	119	7
2,140	3,512,924	982,406	1,227,714	1,144,712	216,864	939	
415	578,199	152,437	100,442	299,855	46,809	250	8
20	28,020	11,477	84,300	.....	2,598	.....	9
1,774	2,158,226	928,681	.....	.....	229,339	.....	10
a 2,209	2,764,445	1,092,595	184,742	299,855	278,746	250	
630	466,564	132,077	32,169	174,685	12,270	.....	11
992	740,977	208,505	.....	302,095	19,787	.....	12
17	12,275	10,631	.....	.....	410	.....	13
7	.....	1,750	.....	.....	100	.....	14
1,646	1,219,816	352,963	32,169	476,780	32,567	.....	
35	58,340	9,371	178,490	.....	1,064	8	15
35	58,340	9,371	178,490	.....	1,064	8	

a In addition to the above there were 696 roustabouts employed on the Ohio river.

DELAWARE.

229	139,993	*b* 55,289	*c* 67,590	152,760	*d* 8,461	*d* 1,749	
137	80,762	35,948	67,000	119,760	4,490	1,700	1
24	21,429	6,270	.....	33,000	1,017	21	2
58	36,102	11,961	.....	.....	2,856	28	3
10	1,700	1,110	590	.....	98	.....	4

c One employé lost.
d Average of coal used, per ton of custom-house measurement, 1.44 tons; wood, 0.29 cord.

MARYLAND.

2,554	3,075,640	*b* 1,038,825	*c* 908,832	995,353	*d* 124,717	*d* 870	
862	695,954	318,500	4,386	347,950	23,338	.....	1
740	1,166,900	297,453	326,166	329,099	45,916	539	2
28	33,500	10,710	576,000	1,400	1,625	6	3
454	723,719	238,035	.....	316,994	23,827	174	4
405	451,667	167,437	.....	.....	28,926	141	5
33	(*e*)	.....	.....	.....	.....	.....	6
32	3,900	6,690	2,280	.....	1,085	10	7

c One passenger and one employé lost.
d Average of coal used, per ton of custom-house measurement, 2.71 tons; wood, 0.02 cord.
e Incomplete reports.

TABLE LXXXIX.—STEAM CRAFT—*Statement of the number, tonnage, value,*

DISTRICT OF COLUMBIA.

	Class.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
				Dollars.	*Dollars.*
	Total	34	6,945.77	595,000	832,960
1	Passenger	11	5,122.70	453,000	573,900
2	Freight	5	1,058.12	46,000	153,360
3	Towing	15	561.36	60,300	70,000
4	Yachts	3	203.59	35,700	35,700

a Average wages, $350 63 per annum. *b* One passenger and one employé lost.

TENNESSEE.

	Total	*a* 61	11,348.40	589,000	*b* 708,500
1	Passenger	44	10,303.35	533,800	622,800
2	Freight	5	253.79	9,200	16,200
3	Towing	12	791.26	46,000	69,500

a In addition to the above there were 2 steamers, measuring 918.93 tons, in existence a part of the year 1880. Two steamers, measuring 111.06 tons, laid up, included in the above.

b In 15 leading lines: amount invested, $466,800; number of boats, 30; tonnage, 7,702.17; length of routes, 4,252 miles.

ARKANSAS.

	Total	37	5,046.75	227,400	270,300
1	Passenger	23	3,835.37	174,000	218,300
2	Ferry	8	1,015.87	41,600	38,500
3	Freight	4	164.48	6,000	7,500
4	Towing	2	31.03	5,800	6,000

a In addition to the above there were 173 roustabouts employed.

b Average wages, $224 12 per annum, including officers, crew, and roustabouts.

MISSISSIPPI.

	Total	*a* 40	3,657.20	204,450	242,150
1	Passenger	16	2,527.93	119,800	151,300
2	Ferry	3	208.80	33,200	33,200
3	Freight	6	432.34	12,200	14,700
4	Towing	15	488.13	39,250	42,950

a In addition to the above there was one steamer, measuring 22.29 tons, in existence a part of the year 1880.

b In addition to the above there were 73 roustabouts employed.

LOUISIANA.

	Total	*a* 195	53,672.39	4,385,700	4,639,500
1	Ocean passenger	18	25,421.68	2,555,000	2,600,000
2	Inland passenger	52	18,166.99	1,120,900	1,273,200
3	Ferry	15	2,791.36	145,200	154,000
4	Freight	18	1,847.27	49,100	65,600
5	Towing	75	4,710.64	404,900	436,100
6	Miscellaneous	17	734.45	110,600	110,600

a Twelve steamers, measuring 1,204.74 tons, included in the above, were laid up; six steamers, measuring 1,163.08 tons, not included in the above, were in existence a part of the year 1880.

b In addition to the above there were 1,271 roustabouts employed.

capital invested, and traffic of the steam craft, by states: 1880—Continued.

DISTRICT OF COLUMBIA.

Crews (persons).	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	Fuel used. Coal, in tons.	Fuel used. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
237	300,576	*a* 83,100	*b* 87,009	63,500	*c* 20,739	*c* 125	
128	186,031	45,910	87,009	39,000	12,564	72	1
50	61,445	13,140	.....	24,500	4,125	26	2
52	53,100	23,000	.....	.....	3,745	19	3
7	.....	1,050	.....	.....	305	8	4

c Average of coal used, per ton of custom-house measurement, 2.98 tons; wood, 0.02 cord.

TENNESSEE.

c 976	1,035,196	*d* 329,329	*e* 76,203	399,565	*f* 75,110	*f* 27,573	
884	922,196	284,229	76,203	382,925	68,360	26,443	1
31	60,000	20,000	.....	16,640	1,600	840	2
61	53,000	25,100	.....	.....	5,150	290	3

c In addition to the above there were 179 roustabouts employed.
d Average wages, $285 13 per annum, including officers, crew, and roustabouts.
e One passenger lost.
f Average of coal used, per ton of custom-house measurement, 6.61 tons; wood, 2.43 cords.

ARKANSAS.

a 480	389,671	*b* 146,356	*c* 57,979	82,635	*d* 2,835	*d* 31,096	
304	304,756	117,433	22,879	67,790	78	28,917	1
51	74,000	23,623	35,100	12,500	2,757	1,129	2
116	6,415	4,000	.....	2,345	.....	500	3
9	4,500	1,300	.....	.....	.....	550	4

c One employé lost.
d Average of coal used, per ton of custom-house measurement, 0.56 ton; wood, 6.16 cords.

MISSISSIPPI.

b 443	300,149	*c* 238,931	33,131	93,364	*d* 5,764	*d* 10,813	
314	238,439	213,241	13,891	90,064	2,732	10,254	1
16	7,000	3,400	19,240	.....	300	8	2
47	22,160	10,185	.....	3,300	412	232	3
66	32,550	12,105	.....	.....	2,320	319	4

c Average wages, $463 04 per annum, including officers, crews, and roustabouts.
d Average of coal used, per ton of custom-house measurement, 1.57 tons; wood, 2.95 cords.

LOUISIANA.

b 2,574	4,098,816	*c* 1,417,818	*d* 1,231,577	979,877	*e* 129,386	*e* 42,772	
514	1,654,843	506,405	13,533	278,469	28,144	.....	1
1,317	1,756,195	651,421	99,444	642,273	65,797	23,792	2
114	174,970	62,950	1,118,600	.....	7,613	1,520	3
142	136,110	47,870	.....	59,135	4,420	5,315	4
411	369,398	133,812	.....	.....	21,900	11,570	5
76	7,300	15,360	.....	.....	1,512	575	6

c Average wages, $368 74 per annum, including officers, crew, and roustabouts.
d One passenger and 22 employés lost.
e Average of coal used, per ton of custom-house measurement, 2.41 tons; wood, 0.79 cord.

TABLE LXXXIX.—STEAM CRAFT—*Statement of the number, tonnage, value,*

TEXAS.

	Class.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
				Dollars.	*Dollars.*
	Total	*a* 35	4,351.91	196,900	345,466
1	Passenger	14	2,765.60	76,500	154,000
2	Freight	6	1,123.45	79,000	86,500
3	Towing	12	441.60	39,900	103,456
4	Yachts	3	21.26	1,500	1,500

a One steamer, measuring 301.84 tons, not included in the above, was in existence a part of the year 1880.
b Seven employés lost.

ALABAMA.

	Total	*a* 43	7,168.17	257,600	421,700
1	Passenger	21	5,283.56	178,500	316,000
2	Ferry	2	39.30	1,500	5,000
3	Freight	7	1,278.50	38,200	38,200
4	Towing	13	566.81	39,400	62,500

a Six steamers, measuring 1,972.48 tons, included in the above, were laid up; two steamers, measuring 46.62 tons, not included in the above, were in existence a part of the year 1880.
b Average wages, $357 86 per annum, including officers, crews, and roustabouts.

FLORIDA.

	Total	*a* 70	6,826.60	448,500	638,800
1	Ocean passenger	6	2,698.41	156,000	182,000
2	Inland passenger	24	2,624 70	140,400	283,800
3	Towing	24	1,405.05	133,000	152,700
4	Yachts	16	98.44	19,100	20,300

a Two steamers, measuring 115.15 tons, not included in the above, were in existence a part of the year 1880.
b Average wages, $281 74 per annum, including officers, crews, and roustabouts.

VIRGINIA.

	Total	*a* 89	6,251.02	494,400	526,350
1	Passenger	15	2,146.09	135,000	155,000
2	Ferry	5	1,078.84	67,500	67,500
3	Freight	15	1,113.29	54,500	66,750
4	Towing	48	1,871.10	232,800	232,200
5	Yachts	6	41.70	4,600	4,900

a Three steamers, measuring 178.65 tons, included in the above, laid up and no business reported.
b Average wages, $382 20 per annum, including officers, crews, and roustabouts.

NORTH CAROLINA.

	Total	*a* 52	3,850.86	205,700	231,900
1	Passenger	30	3,171.76	158,200	188,800
2	Freight	3	458.04	16,500	16,000
3	Towing	4	90.36	11,100	12,200
4	Fishing	15	130.70	19,900	14,900

a Five steamers, measuring 151.01 tons, laid up and business reported included in the above.
b Average wages, $329 35 per annum, including officers, crews, and roustabouts.

capital invested, service, and traffic of the steam craft, by states: 1880—Continued.

TEXAS.

Crews (persons).	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	FUEL USED. Coal, in tons.	FUEL USED. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
b 350	336, 456	*c* 164, 951	4, 803	168, 422	*d* 3, 697	*d* 11, 112	
196	177, 471	78, 959	4, 603	124, 362	680	7, 261	1
68	65, 250	24, 500	.....	44, 010	1, 460	1, 390	2
80	93, 035	59, 592	.....	.....	1, 557	2, 191	3
6	700	1, 900	200	50	.....	270	4

c Average wages, $471 28 per annum, including officers, crew, and roustabouts.
d Average of coal used, per ton of custom-house measurement, 0.85 ton; wood, 2.55 cords.

ALABAMA.

702	437, 465	*b* 251, 220	*c* 51, 237	184, 187	*d* 240	*d* 38, 528	
589	338, 730	210, 328	36, 237	151, 062	50	28, 203	1
6	12, 000	1, 300	15, 000	1, 200	100	200	2
42	8, 300	2, 644	.....	8, 600	.....	2, 050	3
65	78, 435	36, 948	.....	23, 325	90	8, 075	4

c Two passengers lost.
d Average of coal used, per ton of custom-house measurement, 0.03 ton; wood, 5.37 cords.

FLORIDA.

b 587	510, 808	*b* 165, 386	*c* 40, 417	76, 926	*d* 10, 039	*d* 26, 073	
92	205, 800	35, 160	6, 900	48, 900	8, 220	3, 498	1
332	176, 304	76, 865	32, 320	27, 828	1, 370	11, 741	2
124	121, 984	46, 791	.....	.....	322	10, 331	3
39	6, 720	6, 570	1, 197	198	127	503	4

c One passenger and one employé lost.
d Average of coal used, per ton of custom-house measurement, 1.47 tons; wood, 3.81 cords.

VIRGINIA.

491	567, 793	*b* 187, 661	1, 556, 609	139, 048	*c* 29, 904	*c* 3, 621	
155	162, 276	43, 101	53, 509	72, 988	3, 695	2, 766	1
24	55, 200	10, 700	1, 502, 400	.....	5, 350	.....	2
65	94, 768	37, 335	.....	66, 060	5, 368	578	3
235	254, 949	94, 315	.....	.....	15, 419	274	4
12	600	2, 210	700	.....	72	3	5

c Average of coal used, per ton of custom-house measurement, 4.78 tons; wood, 0.57 cord.

NORTH CAROLINA.

335	419, 964	*b* 110, 335	29, 421	189, 219	*c* 5, 030	*c* 14, 569	
233	375, 364	92, 755	29, 421	179, 919	4, 184	12, 131	1
20	20, 000	6, 180	.....	9, 300	650	175	2
15	9, 500	6, 020	.....	.....	60	1, 975	3
67	15, 100	5, 380	.....	.....	136	288	4

c Average of coal used, per ton of custom-house measurement, 1.30 tons; wood, 3.78 cords.

TABLE LXXXIX.—STEAM CRAFT—*Statement of the number, tonnage, value,*

SOUTH CAROLINA.

	Class.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
				Dollars.	*Dollars.*
	Total	*a* 41	5,242.10	242,700	397,850
1	Passenger	13	3,268.50	141,800	225,400
2	Ferry	3	495.87	14,500	30,000
3	Freight	5	712.36	17,300	40,150
4	Towing	18	750.27	67,800	101,000
5	Yachts	2	15.10	1,300	1,300

a Two steamers included in the above, measuring 48.15 tons, were laid up and no business reported.
b Average of wages, $454 62 per annum, including officers, crews, and roustabouts.

GEORGIA.

	Total	*a* 44	13,331.46	1,387,300	1,686,500
1	Ocean passenger	5	9,055.31	1,075,000	1,350,000
2	Inland passenger	21	3,338.06	262,500	283,500
3	Towing	12	897.98	46,200	47,200
4	Yachts	6	40.11	3,600	5,800

a Three steamers, measuring 506.43 tons, laid up, included in the above.
b Average wages, $658 21 per annum, including officers, crews, and roustabouts.

CALIFORNIA.

	Grand total	187	59,030.44	3,792,800	5,946,436
	UNITED STATES WATERS.				
1	Ocean passenger	*a* 21	18,398.86	1,230,000	1,300,485
2	Inland passenger	71	14,523.25	611,400	1,614,268
3	Ferry	22	20,308.25	1,353,000	2,051,500
4	Freight	21	3,301.29	186,300	391,085
5	Towing	32	2,237.18	363,600	540,298
6	Yachts	11	59.97	18,900	19,200
	Total	178	58,828.80	3,763,200	5,916,836
	STATE WATERS.				
7	Passenger	9	201.64	29,600	29,600
	Total	9	201.64	29,600	29,600

a Nine steamships, one tug, and one launch, measuring 26,323.45 tons, and valued at $2,442,000, property of Pacific Mail Steamship Company, credited to New York.
b Three employés lost.

DAKOTA TERRITORY.

	Total	19	7,591.67	328,000	382,000
1	Passenger	17	7,525.86	321,000	363,000
2	Towing	2	65.81	7,000	19,000

a In addition to the above there were 243 roustabouts employed.
b Average wages, $240 91 per annum, including officers, crews, and roustabouts.

capital invested, service, and traffic of the steam craft, by states: 1880—Continued.

SOUTH CAROLINA.

Crews (persons).	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	FUEL USED. Coal, in tons.	FUEL USED. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
332	386, 260	*b* 150, 936	135, 604	97, 264	*c* 7, 889	*c* 19, 657	
169	181, 065	79, 020	17, 168	71, 298	4, 549	11, 729	1
39	43, 830	16, 144	118, 436	9, 046	.....	1, 850	2
43	36, 898	15, 850	.....	16, 920	.....	3, 974	3
77	123, 761	39, 272	.....	.....	3, 336	2, 050	4
4	706	650	.....	.....	4	54	5

c Average of coal used, per ton of custom-house measurement, 1.50 tons; wood, 3.74 cords.

GEORGIA.

494	1, 091, 430	*b* 325, 157	34, 701	114, 030	*c* 22, 045	*c* 15, 831	
190	819, 890	217, 655	8, 815	68, 630	18, 435	.....	1
243	186, 890	79, 540	14, 520	45, 400	1, 420	13, 959	2
48	77, 650	23, 532	.....	.....	2, 190	1, 508	3
13	7, 000	4, 430	11, 366	.....	.....	364	4

c Average of coal used, per ton of custom-house measurement, 1.65 tons; wood, 1.18 cords.

CALIFORNIA.

b 1, 987	4, 020, 024	*c* 1, 164, 200	6, 317, 452	1, 570, 056	*d* 137, 349	*d* 14, 323	
649	1, 018, 833	291, 326	8, 289	249, 583	22, 757	12	1
680	911, 221	328, 452	132, 361	350, 257	33, 144	10, 009	2
262	1, 102, 363	207, 146	6, 168, 852	724, 711	52, 304	755	3
210	625, 621	182, 838	.....	236, 705	16, 272	1, 465	4
146	353, 046	148, 438	.....	.....	12, 872	1, 882	5
23	.....	.....	.....	.....	.....	.....	6
1, 970	4, 011, 084	1, 158, 200	6, 309, 502	1, 561, 256	137, 349	14, 123	
17	8, 940	6, 000	7, 950	8, 800	.....	200	7
17	8, 940	6, 000	7, 950	8, 800	.....	200	

c Average wages, $585 90 per annum, including officers, crews, and roustabouts.
d Average of coal used, per ton of custom-house measurement, 2.32 tons; wood, 0.24 cord.

DAKOTA TERRITORY.

a 392	450, 955	*b* 152, 979	8, 114	38, 686	*c* 295	*c* 31, 394	
380	432, 155	144, 269	8, 114	38, 686	275	30, 094	1
12	18, 800	8, 710	.....	.....	20	1, 300	2

c Average of coal used, per ton of custom-house measurement, 0.03 ton; wood, 4.13 cords.

TABLE LXXXIX—STEAM CRAFT—*Statement of the number, tonnage, value,*

OREGON.

	Class.	Number of steamers.	Tonnage.	Value of steamers.	Capital invested.
				Dollars.	*Dollars.*
	Total	89	31,370.94	2,177,000	2,394,754
1	Passenger	73	28,759.59	2,021,700	2,230,704
2	Ferry	5	1,343.40	52,500	73,000
3	Freight	2	200.81	7,000	6,250
4	Towing	9	1,067.14	95,800	84,800

a Two employés lost.
b Average wages, $764 69 per annum, including officers, crews, and roustabouts.

WASHINGTON TERRITORY.

	Total	52	6,805.14	537,300	542,900
1	Passenger	31	5,093.51	351,100	368,300
2	Ferry	5	342.34	23,600	24,600
3	Freight	5	115.12	7,400	7,400
4	Towing	11	1,254.17	155,200	142,600

a Average wages, $770 70 per annum, including officers and crews.
b One employé lost.

NEBRASKA.

	Total	14	1,193.52	64,300	87,900
1	Ferry	12	1,171.52	63,800	83,500
2	Yachts	2	22.00	500	4,400

a Average wages, $472 61 per annum, including officers, crews, and roustabouts.
b Includes 20,306 railroad transfers.

REMARKS.—In the foregoing tables this steamboat property has been assigned to the states where it was owned in 1880. In cases where the ownership was observed or divided the legal headquarters or the address of the managing owner was taken as authority for assigning the craft to a state, but very few of these perplexing cases were found. The Pacific Mail Steamship Company, owned in New York but operating lines from San Francisco, under this ruling was assigned to the state of New York.

capital invested, service, and traffic of the steam craft, by states: 1880—Continued.

OREGON.

Crews (persons).	Gross earnings.	Paid for services.	Passenger traffic.	Freight traffic, in tons.	FUEL USED. Coal, in tons.	FUEL USED. Wood, in cords.	
	Dollars.	*Dollars.*	*Number.*				
a 788	1, 983, 703	*b* 602, 576	159, 903	476, 898	*c* 8, 233	*c* 22, 889	
720	1, 893, 907	554, 554	66, 615	447, 801	8, 157	13, 585	1
13	23, 546	14, 582	93, 288	28, 372	.....	1, 788	2
8	7, 500	3, 780	.....	725	.....	485	3
47	58, 750	29, 660	.....	.....	76	7, 031	4

c Average of coal used, per ton of custom-house measurement, 0.26 ton; wood, 0.73 cord.

WASHINGTON TERRITORY.

250	367, 983	*a* 192, 675	*b* $135, 307	49, 139	*c* 825	*c* 66, 434	
167	239, 860	132, 870	93, 487	39, 961	300	42, 984	1
9	26, 133	8, 345	41, 820	6, 310	.....	1, 430	2
10	4, 150	1, 800	.....	2, 868	75	280	3
64	97, 840	49, 660	.....	.....	450	21, 740	4

c Average of coal used, per ton of custom-house measurement, 0.12 ton; wood, 9.76 cords.

NEBRASKA.

63	55, 304	*a* 29, 775	*b* 88, 306	*c* 320, 180	*d* 3, 986	*d* 1, 365	
60	55, 004	29, 685	88, 306	320, 180	3, 986	1, 340	1
3	300	90	.....	.....	.....	25	2

c Includes 311,660 tons railroad transfer freight.
d Average of coal used, per ton of custom-house measurement, 3.34 tons; wood, 1.14 cords.

State interests are divided in many cases, in order to show the groupings. Lake Champlain is not classed with the northwestern lakes, as is usually the case, and the group of the Upper Missouri includes the Red River of the North, while in all the groups tributary streams are included. Group IV, for instance, represents the Ohio river and its tributaries.

TABLE XC.—STEAM CRAFT—*Statement of the approximate number, tonnage, and value States*

Grand total for the United States of craft of all descriptions:

	States and Territories.	STEAM.			SAIL.		
		No.	Tonnage.	Value.	No.	Tonnage.	Value.
	Grand total	a 5,139	1,221,206.93	*Dollars.* 80,192,495	16,820	b 2,366,132.96	*Dollars.* c 59,152,950
	Total	515	120,177.83	8,038,150	5,660	940,988.62	23,524,650
1	Maine	112	16,991.66	1,135,700	2,556	491,348.45	12,283,700
2	New Hampshire	25	1,199.58	122,900	69	9,482.14	237,050
3	Vermont	12	2,259.26	221,300	17	937.86	23,425
4	Massachusetts	180	48,917.68	3,266,400	2,136	378,333.09	9,458,325
5	Rhode Island	70	21,486.52	1,539,650	241	16,587.91	414,675
6	Connecticut	116	29,323.13	1,752,200	641	44,299.17	1,107,475
	Total	2,049	577,524.61	41,433,150	6,407	914,907.40	22,872,575
1	New York	d 1,230	358,444.50	25,708,650	2,984	623,680.97	15,592,000
2	New Jersey	175	48,688.10	2,461,150	906	58,122.85	1,453,050
3	Pennsylvania	416	116,601.11	8,479,300	655	137,199.80	3,429,975
4	Delaware	25	5,877.97	302,300	159	12,127.56	303,175
5	Maryland	169	45,967.16	3,886,750	1,645	81,855.77	2,046,375
6	District of Columbia	34	6,945.77	595,000	58	1,920.45	48,000
	Total	859	151,501.09	10,252,750	2,801	126,078.05	3,151,825
1	Virginia	89	6,251.02	494,400	1,061	26,638.28	665,950
2	West Virginia	61	7,497.34	312,600	.....	.....	.....
3	North Carolina	52	3,850.86	205,700	289	9,157.87	228,925
4	South Carolina	41	5,242.10	242,700	173	5,017.46	125,425
5	Georgia	44	13,331.46	1,387,300	86	9,354.07	233,850
6	Florida	70	6,826.60	448,500	323	25,332.56	633,300
7	Alabama	43	7,168.17	257,600	73	7,936.83	198,400
8	Mississippi	40	3,657.20	204,450	119	2,969.99	74,225
9	Louisiana	195	53,672.39	4,385,700	447	31,958.49	798,950
10	Texas	35	4,351.91	196,900	230	7,712.50	192,800
11	Arkansas	37	5,046.75	227,400	.....	.....	.....
12	Kentucky	91	23,256.89	1,300,500	.....	.....	.....
13	Tennessee	61	11,348.40	589,000	.....	.....	.....
	Total	1,388	274,796.88	13,961,345	1,200	235,758.48	5,893,925
1	Ohio	236	73,524.60	3,612,700	196	56,275.32	1,406,875
2	Indiana	51	7,744.80	399,000	.....	.....	.....
3	Illinois	171	22,546.12	1,226,800	275	66,528.27	1,663,200
4	Michigan	422	67,093.42	4,550,725	470	62,105.15	1,552,625
5	Wisconsin	177	19,249.04	1,020,400	258	50,800.11	1,270,000
6	Iowa	70	9,861.69	387,350	.....	.....	.....
7	Minnesota	61	5,118.52	273,270	1	49.63	1,225
8	Missouri	167	60,873.50	2,098,800	.....	.....	.....
9	Nebraska	14	1,193.52	64,300	.....	.....	.....
10	Dakota	19	7,591.67	328,000	.....	.....	.....
	Total	328	97,206.52	6,507,100	752	148,400.41	3,709,975
1	Oregon	89	31,370.94	2,177,000	38	7,041.33	176,025
2	California	187	59,030.44	3,792,800	652	117,970.52	2,949,250
3	Arizona	.....	.....	.....	.....	.....	.....
4	Washington	52	6,805.14	537,300	62	23,388.56	584,700

a The excess of steam tonnage over that reported by the Register of the Treasury is due to the enumeration of state water interests and small yachts under five tons.

b There are ten vessels, measuring 125.07 tons, in Alaska not included but reported by the Register of the Treasury.

of the steamers, sailing-vessels, canal-boats, barges, flats, and wharf-boats of the United for 1880.

Number, **38,656**; tonnage, **6,487,309.63**; value, **$155,784,709.**

CANAL.			BARGES.			FLATS.			
No.	Tonnage.	Value.	No.	Tonnage.	Value.	No.	Tonnage.	Value.	
8,771	1,253,688.23	*Dollars.* 8,273,255	5,033	1,331,562.88	*Dollars.* 6,430,464	2,702	220,690.47	*Dollars.* 1,286,020	
16	1,372.00	21,500	108	14,144.94	194,689	29	970.00	8,425	
.....	.....	.....	3	643.92	8,000	3	300.00	225	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	2
12	1,000.00	20,000	.....	.....	.....	.....	.....	.....	3
.....	.....	.....	32	5,040.71	56,384	23	570.00	7,400	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	5
4	372.00	1,500	73	8,460.31	130,305	3	100.00	800	6
8,213	1,216,689.23	7,743,405	3,524	865,406.18	4,412,940	935	75,343.00	801,700	
5,228	840,892.00	5,018,755	628	148,009.29	1,490,140	88	17,200.00	454,500	1
544	46,777.23	437,050	77	15,516.47	133,300	.....	.....	.....	2
1,940	278,870.00	1,885,000	2,801	699,992.71	2,740,500	819	57,590.00	342,600	3
1	150.00	2,600	9	1,342.37	45,500	6	300.00	3,500	4
467	46,700.00	373,600	4	423.34	3,000	.....	.....	.....	5
33	3,300.00	26,400	5	122.00	500	22	253.00	1,100	6
77	4,191.00	43,350	591	126,642.68	384,980	1,169	88,632.47	287,895	
57	3,591.00	31,350	38	3,640.50	11,100	146	1,500.00	10,500	1
.....	.....	.....	290	26,707.17	174,000	160	30,000.00	32,000	2
.....	.....	.....	.....	.....	.....	144	8,940.00	36,800	3
.....	.....	.....	1	50.64	800	374	10,665.00	124,150	4
20	600.00	12,000	4	425.00	5,800	50	2,405.00	19,355	5
.....	.....	.....	6	400.00	3,000	.....	.....	.....	6
.....	.....	.....	3	524.00	1,700	8	336.00	3,050	7
.....	.....	.....	36	2,689.81	22,000	6	3,648.00	5,000	8
.....	.....	.....	60	25,178.06	41,180	52	3,653.00	18,165	9
.....	.....	.....	19	2,927.50	23,000	4	90.00	2,500	10
.....	.....	.....	3	600.00	600	75	750.00	6,000	11
.....	.....	.....	102	60,000.00	96,000	150	26,645.47	30,375	12
.....	.....	.....	29	3,500.00	5,800	.....	.....	.....	13
465	31,436.00	465,000	702	302,369.28	1,323,875	467	52,805.00	161,000	
361	21,660.00	361,000	165	58,153.51	114,600	238	36,930.00	61,225	1
.....	.....	.....	14	1,287.22	12,000	.....	.....	.....	2
104	9,776.00	104,000	53	18,913.84	33,150	38	2,910.00	9,800	3
.....	.....	.....	124	30,056.43	93,225	82	4,536.00	42,575	4
.....	.....	.....	15	3,100.83	7,600	30	5,000.00	25,000	5
.....	.....	.....	33	6,050.18	4,000	56	860.00	9,600	6
.....	.....	.....	32	2,268.72	12,800	.....	.....	.....	7
.....	.....	.....	254	181,319.00	1,037,000	23	2,569.00	12,800	8
.....	.....	.....	.....	.....	.....	.....	.....	.....	9
.....	.....	.....	12	1,219.55	9,500	.....	.....	.....	10
.....	.....	.....	108	22,999.80	113,980	102	2,940.00	27,000	
.....	.....	.....	12	7,616.60	9,600	88	1,970.00	17,000	1
.....	.....	.....	74	13,709.00	100,180	14	970.00	10,000	2
.....	.....	.....	4	554.20	1,600	.....	.....	.....	3
.....	.....	.....	18	1,120.00	2,600	.....	.....	.....	4

c Valuations by insurance experts on a basis of $25 per ton, decimal omitted.
d Including 18 cable boats on Erie canal.

TABLE XC.—STEAM CRAFT—*Statement of the approximate number, tonnage, and value of the steamers, sailing-vessels, &c.*—Continued.

Grand total for the United States of craft of all descriptions: Number, **38,656**; tonnage, **6,487,309.63**; value, **$155,784,709.**

	States and Territories.	WHARF-BOATS.			HULKS.			
		No.	Tonnage.	Value.	No.	Tonnage.	Value.	
	Grand total	145	86,390.00	*Dollars.* 385,100	46	7,638.16	*Dollars.* 64,425	
	Total				2	400.00	9,000	
1	Maine							1
2	New Hampshire							2
3	Vermont							3
4	Massachusetts				2	400.00	9,000	4
5	Rhode Island							5
6	Connecticut							6
	Total	9	3,270.00	8,800	10	1,774.00	2,250	
1	New York	1	110.00	1,500	4	344.00	250	1
2	New Jersey							2
3	Pennsylvania	8	3,160.00	7,300	6	1,430.00	2,000	3
4	Delaware							4
5	Maryland							5
6	District of Columbia							6
	Total	48	29,400.00	108,450	26	3,900.16	40,050	
1	Virginia				10	150.00	50	1
2	West Virginia	14	8,400.00	20.600				2
3	North Carolina							3
4	South Carolina							4
5	Georgia							5
6	Florida							6
7	Alabama							7
8	Mississippi	1	1,000.00	5,000				8
9	Louisiana	7	5,400.00	15,000	6	1,750.16	37,000	9
10	Texas							10
11	Arkansas							11
12	Kentucky	26	14,600.00	67,850	10	2,000.00	3,000	12
13	Tennessee							13
	Total	79	51,020.00	263,750	8	1,564.00	13,125	
1	Ohio	25	12,550.00	99,200	2	300.00	200	1
2	Indiana	22	12,000.00	53,150				2
3	Illinois	13	7,720.00	38,500				3
4	Michigan				6	1,264.00	12,925	4
5	Wisconsin							5
6	Iowa	3	1,500.00	3,900				6
7	Minnesota							7
8	Missouri	16	17,250.00	69,000				8
9	Nebraska							9
10	Dakota							10
	Total	9	2,700.00	4,100				
1	Oregon	9	2,700.00	4,100				1
2	California							2
3	Arizona							3
4	Washington							4

TABLE XCI.—STEAM CRAFT—*Statement of the number and tonnage of steam vessels of the United States navy, revenue marine, light-house board, quartermaster's department, &c.*

(Official Record, 1881.)

	Number.	Tonnage.
United States Navy, naval steamers	66	83,958.00
iron-clad steamers	24	24,254.00
torpedo rams	2	749.00
tugs	25	4,129.00
		113,090.00
Revenue marine	31	6,765.00
Engineer department	58	7,558.96
Light-house board	23	7,076.00
Quartermaster's department	15	1,025.23
United States coast and geodetic survey (*a*)	10	1,218.00
Mississippi river commission	2	90.00
United States commission of fish and fisheries (*a*)	*b* 7	1,204.00
Marine hospital service (*a*)	1	88.33
Total	264	138,115.52

a Not reported in Official Record. *b* Three steamers and four launches.

REMARKS.—Adding to the above 264 steamers, measuring 138,115.52 tons, the 5,139 steamers of the steam merchant marine, measuring 1,221,206.93 tons, and we have a grand total of 5,403 steamers, measuring 1,359,322.45 tons, representing the entire steam navigation interests of the United States.

Adding to the total merchant tonnage of the United States, as shown in Table XC, amounting to 38,656 crafts, measuring 6,487,309.63 tons, 312 crafts, measuring 167,687.52 tons, owned by the United States government, and we have of marine property in this country a grand total approximating 38,968 crafts, measuring 6,654,997.15 tons.

CANALS.

TABLE XCII.—*Statement of the canals operated by*

[Canals in *italics* operated by states. See notes to italic reference marks on pages 1306–1307.]

	Canals.	When built.	Length. Canal.	Length. Slack water.	Width. Surface.	Width. Bottom.	Depth.	Locks. Number.	Locks. Length.	Locks. Width.	Locks. Rise and fall.
	UNITED STATES.		*Miles.*	*Miles.*	*Ft.*	*Ft.*	*Ft.*		*Ft.*	*Ft.*	*Ft.*
	Grand total		2,515.04	411.14							
	NEW YORK.										
	Total		607.75	115.09							
1	*Erie canal, branches and feeders.*	1817–1862	365.48	29.59	70	52½	7	72	110	18	656.40
2	*Oswego canal*	1825–1862	18.00	20.00	70	56	7	18	110	18	155.55
3	*Cayuga and Seneca canal*	1825	24.77		70	56	7	11	110	18	76.55
4	*Champlain canal, feeder and dam.*	1817–1837	81.00		58	44	6	33	110	18	179.50
5	*Black River canal and improvement.*	1836–1861	35.50	42.50	42	28	4	110	90	15	1,080.00
6	*Oneida River improvement*	1839–1850		20.00	80	60	4½	2	120	30½	6.0
7	Delaware and Hudson Canal Company.	1826–1828	*b* 83.00	3.00	48	32	6	*c* 107	100	15	1,028.00
	NEW JERSEY.										
	Total		171.02								
1	Delaware and Raritan Canal Company (ship).	1834–1838	44.00		80		7	14	220	24	150.00
2	Delaware and Raritan feeder.	1838	22.00		60		6	1	100	24	
3	Morris Canal and Banking Company.	1825–1845	103.00		45	25	5	*e* 46	88	20	1,674.00
4	Penn's Neck canal (ship) *f*	1800–1872	2.02		100	75	5				
	PENNSYLVANIA.										
	Total		628.57	146.05							
1	Pennsylvania Canal Company, east division.	1826–1834	46.00		50–100	32	6	15	180	17	132.00
2	Pennsylvania Canal Company, Susquehanna division.	1828–1833	41.00	3.00	50–100	32	6	9	180	17	68.00
3	Pennsylvania Canal Company, north division.	1830	*g* 64.00	4.00	50–100	32	6	7	180	17	68.00
4	Pennsylvania Canal Company, Juniata division.	1827–1834	90.00		40–60	25	4½	36	85	14–17	255.0
5	Pennsylvania Canal Company, west branch.	1828–1833	68.00	4.00	40–60	28	4½	18	90	17	123.0
6	Pennsylvania Canal Company, Wiconisco branch.	1838–1839	13.00		40–60	25	4½	6	90	17	32.0
7	Susquehanna and Tidewater Canal Companies.	1827–1830	*h* 30.00		50	30	5½	43	170	17	230.0
8	Union Canal Company	1819–1827	84.64		43	28	4½	93	90	17	501.0
9	Schuylkill Navigation Company.	1816–1826	58.18	50.05	45		6¼	71	110	18	619.0

CANALS.

states and corporations in the United States: 1880.

[Canals in *italics* operated by states. See notes to italic reference marks on pages 1306–1307.]

Cost of construction.	Freight traffic.	Gross income.	Total expenditures.	Points connected.	
Dollars.	*Tons.*	*Dollars.*	*Dollars.*		
a 170, 028, 636	21, 044, 292	4, 538, 620	2, 954, 156		
68, 229, 416	7, 766, 969	1, 239, 448	1, 099, 974		
51, 609, 200	4, 608, 651	1, 120, 691	678, 124	Albany—Buffalo	1
3, 077, 429	427, 863	14, 388	37, 877	Syracuse—Oswego	2
1, 520, 542	125, 331	1, 532	11, 788	Montezuma—Cayuga and Seneca lakes	3
2, 378, 910	1, 200, 503	51, 267	136, 520	Whitehall—Waterford	4
3, 224, 779	75, 308	11, 800	51, 393	Rome—Carthage	5
79, 346	.....	270	.....	Three River Point—Brewerton	6
6, 339, 210	1, 329, 313	*d* 39, 500	184, 272	Honesdale, Pa.—Rondout, N. Y	7
10, 776, 353	1, 857, 568	635, 108	491, 762		
4, 735, 353	1, 348, 082	419, 431	331, 344	New Brunswick—Bordentown	1
.....	.....	.....	.....	Bull's Island—Trenton	2
6, 000, 000	503, 486	215, 677	160, 418	Easton, Pa.—Jersey City	3
41, 000	6, 000	.....	.....	Salem creek—Delaware river	4
37, 706, 645	6, 057, 935	1, 562, 018	588, 024		
7, 731, 750	861, 798	368, 770	177, 826	Columbia—Duncan's island	1
				Clark's Ferry—Northumberland	2
				Northumberland—Wilkesbarre	3
				Junction—Huntingdon	4
				Northumberland—Flemington	5
				Clark's Ferry—Millersburg	6
4, 930, 705	362, 295	*i* 55, 260	35, 979	Columbia—Maryland state line	7
5, 907, 850	29, 853	26, 997	22, 496	Middletown—Reading	8
12, 580, 461	630, 416	*j* 573, 133	169, 952	Mill Creek—Philadelphia	9

TABLE XCII.—CANALS—*Statement of the canals operated by states*

	Canals.	When built.	Length.		Width.		Depth.	Locks.			
			Canal.	Slack water.	Surface.	Bottom.		Number.	Length.	Width.	Rise and fall.
	PENNSYLVANIA—cont'd.		*Miles.*	*Miles.*	*Ft.*	*Ft.*	*Ft.*		*Ft.*	*Ft.*	*Ft.*
10	Lehigh Coal and Navigation Company.	1819–1821	48.00	.....	60	45	6	57	100	22	375.00
11	Delaware Division canal.	1830	60.00	.....	44	26	6	33	90	11–22	165.00
12	Monongahela Navigation Company.	1844	.....	85.00	.....	....	5–6	8	190	56	61.00
13	Muncy Canal Company..	.....	0.75	.....	40	25	4½	.....	....	.....	.....
14	Delaware and Hudson Canal Company—see New York.	1826–1828	25.00	.....	.....	....	.....	.....	....	.....	.....
	DELAWARE.										
	Total	.....	14.00	.....	.....	....	.....	.....	....	.....	.....
1	Chesapeake and Delaware Canal Company (ship).	.....	14.00	.....	66	...	9	3	220	24	32.00
	MARYLAND.										
	Total	.....	194.50	5.00	.....	....	.....	.....	....	.....	.....
1	Chesapeake and Ohio Canal Company.	1825–1850	179.50	5.00	50–60	40	6	75	100	16	609.00
2	Susquehanna and Tidewater Canal Company—see Pennsylvania.	1839	15.00	.....	.....	....	.....	.....	....	.....	.....
	VIRGINIA.										
	Total	.....	*k* 43.56	31.00	.....	....	.....	.....	....	.....	.....
1	Albemarle and Chesapeake Canal Company (ship).	1855–1861	*l* 8.44	30.00	80	60	7½	1	220	40	2.00
2	Dismal Swamp Canal Company (ship).	1794	28.00	1.00	40–60	....	6	7	100	16½	35.00
3	Alexandria and Georgetown canal.	1830	7.12	.....	60	42	6	4	100	16	66.00
	NORTH CAROLINA.										
	Total	.....	*o* 13.00	.....	.....	....	.....	.....	....	.....	.....
1	Albemarle and Chesapeake (North Carolina cut)—see Virginia (ship).	1855	5.50	.....	80	....	7½	.....	....	.....	.....
2	Fairfield Canal and Turnpike Company,	1868	4.50	.....	40	....	6	.....	....	.....	.....
3	New Berne and Beaufort Canal Company (ship).	1880–1882	3.00	.....	80	....	10	.....	....	.....	.....
	GEORGIA.										
	Total	.....	25.00	.....	.....	....	.....	.....	....	.....	.....
1	Augusta canal (ship) (*q*).	1847	9.00	.....	150	....	11	.....	....	.....	.....
2	Ogeechee Canal Company	1829–1840	16.00	.....	120	....	3	5	....	.....	.....
	FLORIDA.										
	Total	.....	10.50	.....	.....	....	.....	.....	....	.....	.....
1	Santa Fé Canal Company.	1877–1880	10.50	.....	35	....	5	.....	....	.....	.....

and corporations in the United States: 1880—Continued.

Cost of construction.	Freight traffic.	Gross income.	Total expenditures.	Points connected.	
Dollars.	*Tons.*	*Dollars.*	*Dollars.*		
3,000,000	719,338	187,520	78,854	Coalport—Easton	10
2,433,350		113,334	43,313	Easton—Bristol	11
1,115,452	3,450,400	236,929	59,585	Pittsburgh—Geneva	12
7,077	3,835	75	19	Muncy—Pennsylvania canal	13
.....	.....	.....	.....	.....	14
3,730,230	959,146	201,783	62,245		
3,730,230	959,146	201,783	62,245	Delaware City—Chesapeake City	1
11,290,327	655,423	372,616	227,277		
11,290,327	655,423	372,616	227,277	Washington, D. C.—Cumberland, Md	1
.....	.....	.....	.....	Pennsylvania state line—Havre de Grace	2
4,042,363	532,662	104,048	71,632		
1,641,363	400,000	86,138	56,432	Norfolk—Currituck	1
1,151,000	*m* 6,731	13,524	6,000	Elizabeth river—Pasquotank	2
1,250,000	125,931	4,386	*n* 9,200	West Washington, D. C.—Alexandria	3
300,000	40,000	8,000	3,000		
.....	.....	.....	.....	Coanjock bay—North river	1
100,000	40,000	8,000	3,000	Alligator river—Mattamuskeet lake	2
200,000	(*p*)	.....	.....	Clubfoot creek—Newport river	3
1,907,818	23,602	8,209	14,362		
1,500,000	2,697	*r* 909	7,382	Savannah river—Augusta	1
407,818	20,905	7,300	6,980	Savannah river—Ogeechee river	2
70,000	.....	.....	.....		
70,000	(*p*)	.....	.....	Waldo—Melrose	1

TABLE XCII.—CANALS—*Statement of the canals operated by states*

	Canals.	When built.	Length.		Width.		Depth.	Locks.			
			Canal.	Slack water.	Surface.	Bottom.		Number.	Length.	Width.	Rise and fall.
	LOUISIANA.		*Miles.*	*Miles.*	*Ft.*	*Ft.*	*Ft.*		*Ft.*	*Ft.*	*Ft.*
	Total		19.00	9.00							
1	Carondelet Canal and Navigation Company (old canal) (ship).	1794	2.00		60		7				
2	Orleans bank canal (new canal) (ship).	1832–1835	6.50		85		7				
3	Harvey's canal (ship)	1830	5.75		45		6	3	200	35	
4	Company's canal (ship)	1847	3.00	9.00	40		6	1			
5	Tagliaferro canal (ship)	1880–1881	1.75		30		4	2	110	20	
	TEXAS.										
	Total		8.00	30.00							
1	Galveston and Brazos Navigation Company (ship).	1850–1851	8.00	30.00	50		3½				
	ILLINOIS.										
	Total		102.00								
1	*Illinois and Michigan canal* (ship).	1836–1848	102.00		60		6	15	110	18	141.00
	MICHIGAN.										
	Total		3.14								
1	*Saint Mary's Falls canal* (ship).	1853–1855	1.02		100		17	1	515	80	18.00
2	Lake Superior Ship Canal, Railway and Iron Company.	1868–1873	2.12		100		14				
	OHIO.										
	Total		674.25	75.00							
1	*Ohio canal and feeders*	1835	323.00		40	26	4	150	90	15	1,207.00
2	*Walhonding branch*	1843	25.00		40		4	11	90	15	90.00
3	*Hocking canal*	1843	42.00		40		4	26	87	15	203.60
4	*Miami and Erie canal, branch, and feeders.*	1835	284.25		50–60		5½	93	87–90	15	907.00
5	*Muskingum improvement.*	1840		75.00				12			126.00
	OREGON.										
	Total		0.75								
1	Willamette Transportation and Locks Company (ship).	1873	0.75		40		5	5	210	40	39.75

a Cost per mile of operating canals and slack water in the United States, $58,756, exclusive of Galveston and Brazos; including this canal, $58,109.
b Exclusive of 25 miles in Pennsylvania.
c 107 lift locks, 2 weigh locks, 2 stop locks, and 2 guard locks.
d Miscellaneous freight earnings only; the canal is used in transporting coal for the company.
e Consisting of 23 inclined planes and 23 lift locks.
f "Salem Creek Consolidated Meadow Company."
g Now extending from Northumberland to Nanticoke, 60 miles.
h Exclusive of 15 miles in Maryland.
i Amount paid for rent of canal, $243,860.
j Amount paid for rent of canal, $117,645.
k Jericho canal, a lumber canal 10 miles in length, not included.
l Exclusive of 5.50 miles in North Carolina.
m Seven months under repairs in 1880; freight movement in 1881, 105,000 tons.

and corporations in the United States: 1880—Continued.

Cost of construction.	Freight traffic.	Gross income.	Total expenditures.	Points connected.	
Dollars	*Tons.*	*Dollars.*	*Dollars.*		
2, 030, 000	318, 096	27, 840	13, 650		
s 750, 000	140, 988	.....	.....	New Orleans—Bayou Saint John	1
1, 000, 000	177, 108	20, 340	13, 650	New Orleans—Pontchartrain lake	2
150, 000	.....	.....	.....	.....	3
90, 000	.....	7, 500	.....	Mississippi river—Lake Salvador	4
40, 000	(*p*)	.....	.....	Mississippi river—Bayou Barataria	5
340, 000	.....	4, 535	3, 454		
340, 000	.....	4, 535	3, 454	Galveston—Brazos river	1
6, 557, 681	751, 360	107, 605	125, 601		
t 6, 557, 681	751, 360	107, 605	125, 601	Chicago—La Salle	1
7, 425, 300	1, 244, 279	52, 519	29, 532		
3, 500, 000	*u* 1,244, 279	44, 743	23, 437	Saint Mary's falls—Saint Mary's river	1
3, 925, 300	.....	7, 776	6, 095	Keweenaw bay—Portage lake	2
v 15, 022, 503	*w* 837, 252	214, 891	223, 643		
4, 695, 202	429, 626	77, 545	223, 643	Cleveland—Portsmouth	1
607, 369	3, 309	*x* 380		Rochester, Ohio—Roscoe	2
947, 670	35, 290	*x* 6, 470		Carroll—Nelsonville	3
7, 144, 234	323, 737	111, 260		Cincinnati—Toledo	4
1, 628, 028	45, 290	*x* 19, 236		Zanesville—Marietta	5
600, 000	.....	.....	.....		
600, 000	(*y*)	.....	.....	Oregon City	1

n Includes repairs to aqueduct, $6,200.
o The following drainage and lumber canals not included: Riddick, Orapeak, Collins, Pungo, and Mattamuskeet—total length, 40 miles.
p Not completed and no traffic reported.
q Owned by the city of Augusta.
r Wharf rents, $909; water rents, $20,000. The canal is free.
s Built by Governor Carondelet in 1794, with the aid of a large force of slaves contributed by residents.
t Cost up to 1870, the date of last report.
u In addition to above, 45,590,000 feet of lumber, 5,389,000 shingles, 1,139,000 lath, and 185,000 cubic feet of timber, approximating 143,000 tons, and also 25,766 passengers, passed through the canal in 1880.
v A statement made to the legislature in 1846 increases this amount $348,464.
w Includes movement of forest products and stone, amounting to 350,274 tons.
x Clearances only.
y Freight traffic in 1874, 32,840 tons, and 6,383 passengers.

TABLE XCIII.—CANALS—*Statement of the length and recorded cost of construction of all the important abandoned canals in the United States.*

Names of canals.	When built.	When abandoned.	Length.	Cost of construction.	Points connected.
			Miles.	*Dollars.*	
Grand total United States	.....	.....	1,953.56	44,013,166	
MAINE.					
Total	.....	.....	20.50	200,000	
Cumberland and Oxford	1820–1827	1875	20.50	200,000	Portland—Sebago pond.
NEW HAMPSHIRE.					
Total	.....	.....	5.13	142,000	
Bow Falls	1812	.....	0.75	25,000	Around falls of the Merrimac.
Hooksett Falls	.....	1850	0.13	17,000	Around falls of the Merrimac.
Amoskeag Falls	.....	.....	1.00	50,000	Around falls of the Merrimac.
Union	.....	.....	3.00	50,000	Around falls of the Merrimac.
Sewall's Falls	1837	.....	0.25	.....	Around falls of the Merrimac.
VERMONT.					
Total	.....	.....	1.06	.....	
White River	.....	.....	0.50	.....	Around falls of the Connecticut.
Waterquechy	.....	.....	0.40	.....	Around falls of the Connecticut.
Bellows Falls	.....	1865	0.16	.....	Around falls of the Connecticut.
MASSACHUSETTS.					
Total	.....	.....	33.65	655,000	
Middlesex	1804	1853	27.00	605,000	Chelmsford (Lowell)—Charlest'n.
Pawtucket	1834	.....	1.65	50,000	Lowell.
Montague	.....	.....	3.00	.....	Around Montague falls, Connecticut river.
South Hadley	.....	.....	2.00	.....	South Hadley falls, Connecticut river.
RHODE ISLAND.					
Total	.....	.....	45.00	750,000	
Blackstone	1824–1828	1848	45.00	750,000	Providence—Worcester.
CONNECTICUT.					
Total	.....	.....	83.50	827,000	
Farmington (*a*)	1825	1847	56.00	*b* 600,000	New Haven—Suffield.
Hampshire and Hampden (*a*)	1826–1831	1847	22.00	*b* 227,000	Southwick—Northampton.
Enfield Falls	.....	.....	5.50	.....	Around Enfield falls, Connecticut river.
GEORGIA.					
Total	.....	.....	12.00	500,000	
Brunswick	1837–1842	1860	12.00	500,000	Brunswick harbor—Altamaha river.
VIRGINIA.					
Total	.....	.....	196.50	*c* 6,139,280	
James River and Kanawha	1785–1851	1880	196.50	6,139,280	Richmond—Buchanan.
NEW YORK.					
Total	.....	.....	356.66	10,235,314	
Chenango	1833–1837	1878	128.17	2,782,124	Utica—Binghamton.
Chenango extension	1833–1837	1878	40.00	.....	Binghamton—state line of Pa.
Crooked Lake	1830–1833	1874	7.69	33,287	Dresden—Penn Yan.

a New Haven and Northampton Company.

b Total amount expended on canals to date of abandonment, $1,478,425 10, less value of property $389,000, leaving $1,089,425 10 loss.

c Including work done on the whole line—Richmond to Kanawha river, $10,436,869.

TABLE XCIII.—CANALS—*Statement of the length and recorded cost of construction of all abandoned canals, &c.*—Continued.

Names of canals.	When built.	When abandoned.	Length.	Cost of construction.	Points connected.
NEW YORK—continued.			*Miles.*	*Dollars.*	
Chemung	1830–1833	1878	23.00	1,273,261	Head of Seneca lake—Elmira.
Feeder			16.75		Horseheads—Knoxville.
Genesee Valley	1837–1840	1878	107.00	5,827,813	Rochester—Olean.
Dansville branch	1840	1878	11.00		Shakers—Dansville.
Millgrove extension	1857–1861	1878	6.75		Olean—Millgrove.
Junction	1859		11.00	240,000	Elmira—Pennsylvania state line.
Oneida Lake (*a*)	1832–1836		5.30	78,829	Oneida lake—South bay.
PENNSYLVANIA.					
Total			477.00	12,745,780	
Pennsylvania and New York Canal and Railroad Company.	1836–1850	1872	102.75	1,000,000	Wilkesbarre—Athens.
Pennsylvania Canal Company, Juniata division (part).	1830	1874	37.00		Huntingdon—Hollidaysburgh.
Pennsylvania Canal Company, western division.	1830	1863	104.25	3,173,432	Johnstown—Pittsburgh.
Lehigh Coal and Navigation Company (part).	1838	1862	36.00	1,455,000	Coalport—Stoddardsville.
Union Canal branch (part)	1828–1832	1862	11.00	684,057	Union Forge—Pine Grove.
Erie and branches	1840–1844	1871	161.00	6,433,291	Bridgewater—Erie.
Bald Eagle and Spring Creek Navigation Company.	1835	1865	25.00		Bald Eagle creek—Bellefonte.
OHIO.					
Total			205.00	3,217,552	
Sandy and Beaver	1834–1846	1852	84.00	2,000,000	Bolivar, Ohio—Smith's Ferry.
Pennsylvania and Ohio			87.00	*b* 1,000,000	Akron—Pennsylvania state line.
Athens branch (part)			14.00		Nelsonville—Athens.
Lebanon branch			20.00	217,552	Middletown—Lebanon.
INDIANA.					
Total			453.00	7,725,262	
Wabash and Erie	1832–1851		379.00	*c* 6,325,262	Evansville, Ind.—Ohio state line.
Whitewater			74.00	1,400,000	Lawrenceburg—Cambridge City.
NORTH CAROLINA.					
Total			12.00		
Weldon	1829		12.00		Roanoke river.
SOUTH CAROLINA.					
Total			51.35	850,000	
Santee	1802		22.00	720,000	Charleston harbor—Santee river.
Winyaw			7.40		Winyaw bay—Kinlock creek.
Catawba			6.50		
Wateree	1826		4.00		Jones' mills—Ellicott's mills.
Saluda or Columbia			6.20		Head of Saluda shoals—Granby Ferry (Congaree river).
Drehr's			1.50		Around falls of Saluda river.
Lorick's			1.00		Broad river.
Lockhart's	1818–1825	1852	2.75	130,000	Broad river.
DISTRICT OF COLUMBIA.					
Total			1.21	*d* 25,978	
Washington Branch canal			1.21	25,978	Potomac—Eastern Branch.

a Virtually abandoned.
b Original cost, $420,000.
c Stocks chargeable to Wabash and Erie canal to 1851. (History of State Debts, Tenth Census.)
d The District issued stock to the amount of $50,000 in 1831 for the purchase of the canal, and later issued stock to the amount of $137,050 for completing and enlarging the canal.

TELEGRAPHS.

TABLE XCIV.—*General financial exhibit for the year:* 1880.

	Name of company.	Date of close of fiscal year.	RECEIPTS. From messages sent.	From other sources.	Total.
	Total		*Dollars.* 13,512,116 17	*Dollars.* 3,184,507 21	*Dollars.* 16,696,623 38
1	Alabama and Great Southern	May 31, 1880	3,059 79		3,059 79
2	Altamaha	Apr. 1, 1880	1,860 00		1,860 00
3	American Rapid (*a*)	June 1, 1880			
4	Atlantic and Pacific	Dec. 31, 1879	432,900 54	998,702 52	1,431,603 06
5	Ashtabula and Pittsburgh	May 31, 1880	541 08		541 08
6	American	Dec. 31, 1879	1,582 02		1,582 02
7	Baltimore and Ohio	Sept. 30, 1880		90,173 15	90,173 15
8	Burlington and Missouri River	Dec. 31, 1879	11,158 35		11,158 35
9	Bryant's Pond and Andover	Oct. 18, 1880	79 67		79 67
10	Bar Harbor and Mount Desert	—, 1880	2,262 66		2,262 66
11	Bayou Sara and Woodville	Sept. 1, 1880	973 66	1,144 53	2,118 19
12	Columbia and Greenville	Dec. 31, 1879	2,980 96	1,450 42	4,431 38
13	Central District and Printing	Apr. 30, 1880		58,697 48	58,697 48
14	Cincinnati and Eastern	June 1, 1880	1,081 41	7 77	1,089 18
15	Chester and Derry	Aug. 1, 1880	70 00		70 00
16	Connecticut River	May 31, 1880	5,000 00		5,000 00
17	Colusa Lake and Mendocino	Jan. 31, 1880	4,564 00	130 00	4,694 00
18	Camden	June 30, 1880	900 00		900 00
19	Deseret	Dec. 31, 1879	28,549 43	1,293 88	29,843 31
20	Ellsworth and Deer Island	June 30, 1880	2,446 09	120 00	2,566 09
21	Ellsworth and Fremont		362 78	90 00	452 78
22	Fayetteville and Lumberton	Dec. —, 1879	1,386 02		1,386 02
23	Fountain City and Alma		900 00		900 00
24	Frontier (*b*)	Oct. 31, 1880	3,109 98		3,109 98
25	Georgetown and Kingston (*c*)	—, 1880			
26	Huntingdon and Broad Top Mount'n.	Dec. 31, 1879	359 77		359 77
27	Harrington and Jonesport	July 31, 1880	255 75		255 75
28	Homer and Minden	June 1, 1880	843 00		843 00
29	International Ocean	June 31, 1880	318,309 92	5,787 55	324,097 47
30	Little Rock and Fort Smith	Dec. 31, 1880	6,165 23		6,165 23
31	Lehigh	Dec. 31, 1880	2,774 00	8,013 69	10,787 69
32	Lake Mohonk	Dec. 31, 1879	429 00		429 00
33	Lake Superior and Mineral Range	Dec. 31, 1880	4,657 01	637 76	5,294 77
34	Montezuma	Apr. 30, 1880	1,296 77		1,296 77
35	Middletown	Jan. 1, 1880	95 35		95 35
36	Mineral Point and Dodgeville	May 31, 1880	195 00	74 00	269 00
37	Montana Central	July 10, 1880	6,233 48	900 00	7,133 48
38	Marine	Aug. 1, 1880	258 67		258 67
39	Millbridge and Cherryfield	Dec. 31, 1879	267 16		267 16
40	Northwestern	Dec. 31, 1879	359,806 39	13,822 76	373,629 15
41	Northwestern Ohio	May 31, 1880	918 47		918 47
42	Paducah and Elizabethtown	July 31, 1880	1,765 74		1,765 74
43	Providence and Pascoag	June 30, 1880	645 00	1,055 00	1,700 00
44	Pensacola	July 31, 1880	4,233 98		4,233 98
45	Philadelphia Local	Feb. —, 1880	161,012 28	62,761 51	223,773 79
46	Philadelphia, Reading and Pottsville	Nov. 30, 1880	60,934 35	16,381 34	77,315 69
47	Pee Dee	Sept. 30, 1880	1,047 37		1,047 37
48	Poughkeepsie, Hartford and Boston	Oct. 1, 1880	85 23		85 23
49	Rumford Falls and Buckfield	May 31, 1880	228 51		228 51
50	Vermont International	Dec. 31, 1879	1,220 85	1,450 61	2,671 46

a Lines not in operation. *b* Six months. *c* Company does not make any financial report.

TELEGRAPHS.

TABLE XCIV.—*General financial exhibit for the year:* 1880.

EXPENSES.					Net receipts.	
Salaries.	General expenses.	Repairs.	All other expenses.	Total.		
Dollars. 4,886,128 14	*Dollars.* 2,800,158 81	*Dollars.* 1,045,880 11	*Dollars.* 1,486,113 94	*Dollars.* *d* 10,218,281 00	*Dollars.* 6,573,843 04	
.....	3,773 83	1,860 47	236 08	5,870 38	.....	1
1,320 00	60 00	60 00	.....	1,440 00	420 00	2
.....	.....	.....	.....	.....	.....	3
232,705 99	593,318 55	70,170 89	8,740 50	904,935 93	526,667 13	4
3,109 28	188 20	267 00	.....	3,564 48	.....	5
786 15	.....	244 57	143 73	1,174 45	407 57	6
125,086 24	9,083 08	27,387 91	.....	161,557 23	.....	7
.....	10,790 61	.....	.....	10,790 61	367 74	8
.....	79 67	.....	.....	79 67	.....	9
451 00	31 26	50 84	132 36	665 46	1,597 20	10
1,200 00	124 00	150 00	.....	1,474 00	644 19	11
.....	6,705 86	.....	.....	6,705 86	.....	12
2,850 00	34,723 35	4,500 50	7,208 93	49,282 78	9,414 70	13
60 00	89 83	.....	475 71	625 54	463 64	14
10 00	5 00	5 00	.....	20 00	50 00	15
3,500 00	500 00	300 00	.....	4,300 00	700 00	16
1,588 00	687 00	682 00	760 00	3,717 00	977 00	17
25 00	25 00	150 00	.....	200 00	700 00	18
17,320 67	4,694 82	4,975 04	965 80	27,956 33	1,886 98	19
416 50	1,509 52	.....	.....	1,926 02	640 07	20
220 00	25 00	12 00	.....	257 00	195 78	21
701 20	.....	72 25	482 57	1,256 02	130 00	22
600 00	50 00	.....	.....	650 00	250 00	23
1,429 23	175 18	105 45	.....	1,709 86	1,400 12	24
.....	.....	.....	.....	.....	.....	25
2,482 68	119 72	33 47	.....	2,635 87	.....	36
127 87	48 18	5 75	.....	181 80	73 95	27
120 00	.....	57 00	85 00	262 00	581 00	28
38,758 12	12,401 64	17,089 91	36,683 07	104,932 74	219,164 73	29
4,721 50	.....	605 09	281 98	5,608 57	556 66	30
642 20	645 51	48 25	497 59	1,833 55	8,954 14	31
100 00	94 00	.....	.....	194 00	235 00	32
1,940 00	547 42	466 80	.....	2,954 22	2,340 55	32
763 98	126 64	60 15	2 55	953 32	343 45	34
36 00	19 37	16 98	.....	72 35	23 00	35
250 00	5 00	8 00	6 00	269 00	.....	36
2,100 00	420 00	250 00	200 00	2,970 00	4,163 48	37
61 67	5 00	.....	129 34	199 01	59 66	38
146 94	.....	47 57	.....	194 51	72 65	39
86,976 08	133,760 28	15,956 82	1,239 45	237,932 63	135,696 52	40
6,246 23	261 11	540 00	.....	7,047 34	.....	41
2,933 54	266 06	1,229 37	.....	4,428 97	.....	42
900 00	232 00	105 50	.....	1,237 50	462 50	43
2,880 00	540 02	250 09	.....	3,670 11	563 87	44
52,083 40	145,590 18	6,875 45	4,281 82	208,830 85	14,942 94	45
27,695 37	6,424 53	18,946 85	3,088 29	56,165 04	21,160 65	46
548 63	46 13	128 17	50 40	773 33	274 04	47
.....	.....	.....	.....	.....	85 23	48
39 31	.....	36 50	590 44	666 25	.....	49
485 99	406 49	616 24	.....	1,508 72	1,162 74	50

d Includes $219 80 of some companies whose expenses are greater than receipts.

TABLE XCIV.—TELEGRAPHS—*General financial exhibit for the year:* 1880—Cont'd.

	Name of company.	Date of close of fiscal year.	RECEIPTS. From messages sent.	From other sources.	Total.
			Dollars.	*Dollars.*	*Dollars.*
51	Waterville	Apr. 1, 1880		97 50	97 50
52	Western Union	June 30, 1880	12,000,000 00	782,894 53	12,782,894 53
53	Worcester and Nashua (*a*)	Sept. 30, 1880			
54	Pacific and Atlantic (*b*)			80,000 00	80,000 00
55	Michigan (*a*)	June 30, 1880	12,137 43	441 40	12,578 83
56	Delaware River (*a*)	Dec. 31, 1880		3,000 00	3,000 00
57	Central Pacific (*a*)	Dec. 31, 1879			
58	Northern New Hampshire (*a*)	Dec. 31, 1879	1,000 00		1,000 00
59	Rodney and Fayette (*c*)	June 30, 1880	1,203 76		1,203 76
60	Gold and Stock	June 30, 1880		1,055,379 81	1,055,379 81
61	Attakapas (*c*)	Sept. 30, 1880	4,689 90		4,689 90
62	Wilkesbarre and Harvey's Lake (*c*)	July 1, 1880	150 00		150 00
63	Union Springs and Troy (*c*)	— —, 1880	2,104 08		2,104 08
64	Rising Sun (*c*)	Sept. 30, 1880	346 31		346 31
65	Taylorville and Susanville (*c*)	July 1, 1880	200 48		200 48
66	Glen's Falls and Lake George (*c*)	July 1, 1880	44 00		44 00
67	Oregon Steam Navigation (*c*)	Mar. 31, 1880	14,522 65		14,522 65
68	Continental, Columbia, S. C. (*d*)	Dec. 31, 1879	4,431 38		4,431 38
69	Richmond, York River & Ches. (*d*)	Sept. 30, 1880	484 97		484 97
70	Cairo and Saint Louis (*d*)	Dec. 31, 1879	1,964 14		1,964 14
71	Cumberland and Pennsylvania (*d*)	Dec. 31, 1880	1,724 28		1,724 28
72	McKean and Buffalo (*d*)	June 1, 1880	268 87		268 87
73	Rhinebeck and Connecticut River (*d*)	Sept. 30, 1880	159 55		159 55
74	Detroit and Lansing (*d*)	Dec. 31, 1879	10,020 90		10,020 90
75	Northern New York (*e*)	Sept. 30, 1880	478 18		478 18
76	Black Diamond (*e*)	May 31, 1880	36 00		36 00
77	Cheyenne and Black Hills (*e*)	Nov. 30, 1880	16,342 57		16,342 57

a Leased and operated by the Western Union.
b Entire property leased to, and entire expense of maintenance paid by, the Western Union Company. Line merged in and included in the report of Western Union Company.

TABLE XCIV.—*General financial exhibit for the year:* 1880—Continued.

	Name of company.	CHARGES. Interest paid on debt.	Sinking-fund appropriation.	Total.
	Total	*Dollars.* 564,341 07	*Dollars.* 40,000 20	*Dollars.* 604,341 27
1	Alabama and Great Southern			
2	Altamaha			
3	American Rapid (*a*)			
4	Atlantic and Pacific			
5	Ashtabula and Pittsburgh			
6	American			
7	Baltimore and Ohio			
8	Burlington and Missouri River			
9	Bryant's Pond and Andover			
10	Bar Harbor and Mount Desert			
11	Bayou Sara and Woodville			
12	Columbia and Greenville			
13	Central District and Printing			
14	Cincinnati and Eastern			
15	Chester and Derry			
16	Connecticut River			
17	Colusa Lake and Mendocino			
18	Camden			
19	Deseret			
20	Ellsworth and Deer Island			

a Leased and operated by the Western Union.

TABLE XCIV.—TELEGRAPHS—*General financial exhibit for the year:* 1880—Cont'd.

EXPENSES.					Net receipts.	
Salaries.	General expenses.	Repairs.	All other expenses.	Total.		
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
.....	5 48	22 11	13 89	41 48	56 02	51
4,000,000 00	1,802,466 35	817,364 60	1,016,424 13	7,636,255 08	5,146,639 45	52
.....	.....	.....	.....	.....	.....	53
.....	.....	.....	.....	.....	80,000 00	54
.....	1,066 21	.....	.....	1,066 21	11,512 62	55
500 00	863 54	.....	242 33	1,605 87	1,394 13	56
.....	.....	.....	.....	.....	.....	57
20 00	4 96	.....	.....	24 96	975 04	58
780 00	39 44	86 00	10 32	915 76	288 00	59
238,406 40	12,149 46	47,623 07	402,893 86	701,072 79	354,307 02	60
3,099 09	158 75	130 50	108 00	3,496 34	1,193 56	61
.....	100 00	25 00	25 00	150 00	.....	62
967 50	126 95	94 35	.....	1,188 80	915 28	63
60 00	.....	25 00	.....	85 00	261 31	64
.....	.....	100 00	.....	100 00	100 48	65
70 00	.....	.....	.....	70 00	.....	66
9,750 00	.....	2,527 66	.....	12,277 66	2,244 99	67
4,736 45	.....	1,969 41	.....	6,705 86	.....	68
1,100 00	.....	1,252 00	114 80	2,466 80	.....	69
.....	1,589 90	.....	.....	1,589 90	374 24	70
.....	211 63	.....	.....	211 63	1,512 65	71
.....	319 80	.....	.....	319 80	.....	72
.....	188 00	140 48	.....	328 48	.....	73
.....	.....	.....	.....	.....	10,020 90	74
68 47	99 79	152 05	.....	320 31	157 87	75
.....	.....	.....	.....	.....	36 00	76
148 46	12,169 51	.....	.....	12,317 97	4,024 60	77

c Owned and operated by private individuals.
d Owned or operated by railroads.
e Not incorporated.

TABLE XCIV.—*General financial exhibit for the year:* 1880—Continued.

Net income.	DIVIDENDS DECLARED.		BALANCE FOR THE YEAR.		
	Amount.	Per cent.	Surplus.	Deficit.	
Dollars.	*Dollars.*		*Dollars.*	*Dollars.*	
5,969,501 77	4,136,749 75	.....	1,832,971 82	95,720 46	
.....	.....	.....	.....	2,810 59	1
420 00	.....	.....	420 00	.....	2
.....	.....	.....	.....	.....	3
526,667 13	455,000 00	3¼	71,667 13	.....	4
.....	.....	.....	.....	3,023 40	5
407 57	421 50	3	.....	13 93	6
.....	.....	.....	.....	71,384 08	7
367 74	.....	.....	367 74	.....	8
.....	.....	.....	.....	.....	9
1,597 20	.....	.....	1,597 20	.....	10
644 19	.....	.....	644 19	.....	11
.....	.....	.....	.....	2,274 48	12
9,414 70	8,500 00	11⅓	914 70	.....	13
463 64	297 00	9	166 64	.....	14
50 00	45 00	10	5 00	.....	15
700 00	.....	.....	700 00	.....	16
977 00	.....	.....	977 00	.....	17
700 00	.....	.....	700 00	.....	18
1,886 98	.....	.....	1,886 98	.....	19
640 07	.....	.....	640 07	.....	20

TABLE XCIV.—TELEGRAPHS—*General financial exhibit for the year:* 1880—Cont'd.

	Name of company.	CHARGES.		
		Interest paid on debt.	Sinking-fund appropriation.	Total.
		Dollars.	*Dollars.*	*Dollars.*
21	Ellsworth and Fremont			
22	Fayetteville and Lumberton			
23	Fountain City and Alma			
24	Frontier	49 50		49 50
25	Georgetown and Kingston			
26	Huntingdon and Broad Top Mountain			
27	Harrington and Jonesport			
28	Homer and Minden			
29	International Ocean	462 00		462 00
30	Litttle Rock and Fort Smith			
31	Lehigh			
32	Lake Mohonk			
33	Lake Superior and Mineral Range			
34	Montezuma			
35	Middletown			
36	Mineral Point and Dodgeville			
37	Montana Central			
38	Marine			
39	Millbridge and Cherryfield			
40	Northwestern	88,252 50		88,252 50
41	Northwestern Ohio			
42	Paducah and Elizabethtown			
43	Providence and Pascoag			
44	Pensacola			
45	Philadelphia Local			
46	Philadelphia, Reading and Pottsville	12,000 00		12,000 00
47	Pee Dee			
48	Poughkeepsie, Hartford and Boston			
49	Rumford Falls and Buckfield			
50	Vermont International	67 14		67 14
51	Waterville			
52	Western Union	428,516 93	40,000 20	468,517 13
53	Worcester and Nashua			
54	Pacific and Atlantic			
55	Michigan			
56	Delaware River			
57	Central Pacific			
58	Northern New Hampshire			
59	Rodney and Fayette			
60	Gold and Stock	34,993 00		34,993 00
61	Attakapas			
62	Wilkesbarre and Harvey's Lake			
63	Union Springs and Troy			
64	Rising Sun			
65	Taylorville and Susanville			
66	Glen's Falls and Lake George			
67	Oregon Steam Navigation			
68	Continental, Columbia, S. C			
69	Richmond, York River & Ches			
70	Cairo and Saint Louis			
71	Cumberland and Pennsylvania			
72	McKean and Buffalo			
73	Rhinebeck and Connecticut River			
74	Detroit and Lansing			
75	Northern New York			
76	Black Diamond			
77	Cheyenne and Black Hills			

TABLE XCIV.—TELEGRAPHS—*General financial exhibit for the year:* 1880—Cont'd.

Net income.	DIVIDENDS DECLARED.		BALANCE FOR THE YEAR.		
	Amount.	Per cent.	Surplus.	Deficit.	
Dollars.	*Dollars.*		*Dollars.*	*Dollars.*	
195 78	160 00	5	35 78		21
130 00	130 00	10			22
250 00			250 00		23
1,350 62			1,350 62		24
					25
				2,276 10	26
73 95			73 95		27
581 00			581 00		28
218,702 73	112,216 00	8	106,486 73		29
556 66			556 66		30
8,954 14	1,000 00	5	7,954 14		31
235 00			235 00		32
2,340 55	1,400 00		940 55		33
343 45	284 00	6	59 45		34
23 00			23 00		35
					36
4,163 48			4,163 48		37
59 66			59 66		38
72 65			72 65		39
47,444 02	31,250 00	2½	16,194 02		40
				6,128 87	41
				2,663 23	42
462 50	150 00	3	312 50		43
563 87			563 87		44
14,942 94	14,000 00	3½	942 94		45
9,160 65			9,160 65		46
274 04			274 04		47
85 23			85 23		48
				437 74	49
1,095 60			1,095 60		50
56 02	20 00	20	36 02		51
4,678,122 32	3,280,276 25	8	1,397,846 07		52
					53
80,000 00	80,000 00	4			54
11,512 62			11,512 62		55
1,394 13	1,600 00	4		205 87	56
					57
975 04			975 04		58
288 00			288 00		59
319,314 02	150,000 00	6	169,314 02		60
1,193 56			1,193 56		61
					62
915 28			915 28		63
261 31			261 31		64
100 48			100 48		65
				26 00	66
2,244 99			2,244 99		67
				2,274 48	68
				1,981 83	69
374 24			374 24		70
1,512 65			1,512 65		71
				50 93	72
				168 93	73
10,020 90			10,020 90		74
157 87			157 87		75
36 00			36 00		76
4,024 60			4,024 60		77

TABLE XCV.—TELEGRAPHS—*Balance sheet:* 1880.

NOTE.—The railroad companies owning telegraph lines have reported their receipts, expenses, and their railroad accounts, do not therefore appear,

	Name of company.	ASSETS.				
		Franchise.	Cash.	Bills receivable.	Accounts receivable.	Total.
	Total	*Dollars.* 93,062,921 74	*Dollars.* 1,087,795 89	*Dollars.* 179,269 78	*Dollars.* 2,902,652 19	*Dollars.* 97,232,639 60
1	Alabama and Great Southern (*a*)					
2	Altamaha (*b*)					
3	American Rapid	3,091,194 32	15,040 97			3,106,235 29
4	Atlantic and Pacific	15,062,012 07	76,504 58	1,954 91	265,635 26	15,406,106 82
5	Ashtabula and Pittsburgh (*a*)					
6	American	14,050 00				14,050 00
7	Baltimore and Ohio (*a*)					
8	Burlington & Missouri River (*a*)					
9	Bryant's Pond and Andover (*c*)					
10	Bar Harbor and Mt. Desert (*d*)					
11	Bayou Sara and Woodville (*b*)					
12	Columbia and Greenville (*a*)					
13	Central District and Printing	500,000 00	914 70			500,914 70
14	Cincinnati and Eastern		218 57		4,490 65	4,709 22
15	Chester and Derry (*b*)					
16	Connecticut River	16,000 00	700 00			16,700 00
17	Colusa Lake and Mendocino	25,056 00	302 00		898 00	26,256 00
18	Camden (*b*)					
19	Deseret	290,360 46	2,646 59	957 89	1,077 14	295,042 08
20	Ellsworth and Deer Island	6,000 00				6,000 00
21	Ellsworth and Fremont (*d*)					
22	Fayetteville and Lumberton		1,300 00			1,300 00
23	Fountain City and Alma (*b*)					
24	Frontier (*e*)	13,037 15	75 35			13,112 50
25	Georgetown and Kingston (*d*)					
26	Huntingdon and Broad Top Mountain. (*a*)					
27	Harrington and Jonesport	2,240 00				2,240 00
28	Homer and Minden (*b*)					
29	International Ocean	2,137,117 88	3,241 11		251,057 04	2,391,416 03
30	Little Rock and Fort Smith (*a*)					
31	Lehigh	16,879 00	1,100 17			17,979 17
32	Lake Mohonk		2,350 00			2,350 00
33	Lake Superior and Mineral Range.	*f* 10,558 38	625 78		8,938 36	20,122 52
34	Montezuma	4,603 30	43 23	*g* 50 50	92 04	4,789 07
35	Middletown	1,000 00				1,000 00
36	Mineral Point and Dodgeville	500 00				500 00
37	Montana Central (*b*)					
38	Marine	*h* 300 00	59 66			359 66
39	Millbridge and Cherryfield	1,000 00				1,000 00
40	Northwestern	1,500,000 00			949,000 00	2,449,000 00
41	Northwestern Ohio (*a*)					
42	Paducah and Elizabethtown (*a*)					
43	Providence and Pascoag	5,000 00	312 50			5,312 50
44	Pensacola	8,000 00				8,000 00
45	Philadelphia Local	409,881 21	179 37	12,231 35		422,291 93

a Owned and operated by railroad company.
b No report.
c Not incorporated.
d Report incomplete.
e Six months.
f Cost of line.

TABLE XCV.—TELEGRAPHS—*Balance sheet:* 1880.

general financial statements; but the assets, liabilities, &c., of such companies, being included with nor are they included in this report.

LIABILITIES.					
Capital stock.	Funded debt.	Other debt.	Profit and loss.	Total.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
67, 901, 255 10	8, 167, 492 78	1, 201, 671 72	19, 962, 220 00	97, 232, 639 60	
					1
					2
3, 000, 000 00		1, 235 29	105, 000 00	3, 106, 235 29	3
15, 000, 000 00		42, 602 98	363, 503 84	15, 406, 106 82	4
					5
14, 050 00				14, 050 00	6
					7
					8
					9
					10
					11
					12
500, 000 00			914 70	500, 914 70	13
4, 500 00			209 22	4, 709 22	14
					15
16, 000 00			700 00	16, 700 00	16
25, 056 00		1, 200 00		26, 256 00	17
					18
277, 888 20		17, 153 88		295, 042 08	19
6, 000 00				6, 000 00	20
					21
1, 300 00				1, 300 00	22
					23
10, 000 00	1, 275 27	1, 837 23		13, 112 50	24
					25
					26
2, 240 00				2, 240 00	27
					28
1, 500, 000 00	5, 117 15	84, 994 10	801, 304 78	2, 391, 416 03	29
					30
15, 980 00		994 69	1, 004 48	17, 979 17	31
2, 350 00				2, 350 00	32
10, 558 38			9, 564 14	20, 122 52	33
4, 700 00		30 42	58 65	4, 789 07	34
1, 000 00				1, 000 00	35
500 00				500 00	36
					37
300 00			59 66	359 66	38
1, 000 00				1, 000 00	39
1, 250, 000 00	*j* 1, 199, 000 00			2, 449, 000 00	40
					41
					42
5, 000 00			312 50	5, 312 50	43
5, 000 00			3, 000 00	8, 000 00	44
400, 000 00	7, 348 99		14, 942 94	422, 291 93	45

g Supplies.
h Value of line.

i Value.
Bonds.

TABLE XCV.—TELEGRAPHS—*Balance sheet:* 1880—Continued.

	Name of company.	ASSETS.				
		Franchise.	Cash.	Bills receivable.	Accounts receivable.	Total.
		Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
46	Philadelphia, Reading and Pottsville.	235,152 68	9,917 08	*a* 5,098 16	9,172 77	259,340 69
47	Pee Dee	2,177 18	5 23			2,182 41
48	Poughkeepsie, Hartford and Boston. (*b*)					
49	Rumford Falls and Buckfield (*b*)					
50	Vermont International	14,859 99	1,395 90	*c* 482 61	133 13	16,871 63
51	Waterville	100 00	36 02			136 02
52	Western Union	63,520,538 50	959,770 91	158,078 36	1,008,204 49	65,646,592 26
53	Worcester and Nashua (*d*)					
54	Pacific and Atlantic	2,000,000 00				2,000,000 00
55	Michigan	150,000 00				150,000 00
56	Delaware River	40,000 00	2,134 54		2,586 78	44,721 32
57	Central Pacific (*d*)					
58	Northern New Hampshire	20,900 00				20,900 00
59	Rodney and Fayette	1,500 00	288 00			1,788 00
60	Gold and Stock	3,938,203 62	8,618 26	416 00	401,304 76	4,348,542 64
61	Attakapas	3,000 00				3,000 00
62	Wilkesbarre and Harvey's Lake	1,000 00				1,000 00
63	Union Springs and Troy (*e*)					
64	Rising Sun (*f*)					
65	Taylorville and Susanville (*f*)					
66	Glen's Falls and Lake George	*g* 1,250 00				1,250 00
67	Oregon Steam Navigation (*f*)					
68	Continental, Columbia, S. C. (*b*)					
69	Richmond, York River and Chesapeake. (*b*)					
70	Cairo and Saint Louis (*b*)					
71	Cumberland & Pennsylvania (*b*)					
72	McKean and Buffalo (*b*)					
73	Rhinebeck and Connecticut River. (*b*)					
74	Detroit and Lansing (*b*)					
75	Northern New York (*h*)					
76	Black Diamond (*h*)					
77	Cheyenne and Black Hills	19,450 00	15 37		61 77	19,527 14

a Material.
b Owned and operated by railroad company.
c Stock.
d Leased to the Western Union Telegraph Company.

TABLE XCV.—TELEGRAPHS—*Balance sheet:* 1880—Continued.

LIABILITIES.					
Capital stock.	Funded debt.	Other debt.	Profit and loss.	Total.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
20,000 00	200,000 00	39,340 69	.....	259,340 69	46
1,640 00	268 37	.....	274 04	2,182 41	47
.....	.....	.....	.....	.....	48
.....	.....	.....	.....	.....	49
16,000 00	.....	259 72	611 91	16,871 63	50
100 00	.....	5 05	30 97	136 02	51
41,073,410 00	6,254,308 00	783,788 37	17,535,085 89	65,646,592 26	52
.....	.....	.....	.....	.....	53
2,000,000 00	.....	.....	.....	2,000,000 00	54
150,000 00	.....	.....	.....	150,000 00	55
40,000 00	175 00	352 00	4,194 32	44,721 32	56
.....	.....	.....	.....	.....	57
20,900 00	.....	.....	.....	20,900 00	58
1,500 00	.....	.....	288 00	1,788 00	59
2,500,000 00	500,000 00	227,382 68	1,121,159 96	4,348,542 64	60
3,000 00	.....	.....	.....	3,000 00	61
1,000 00	.....	.....	.....	1,000 00	62
.....	.....	.....	.....	.....	63
.....	.....	.....	.....	.....	64
.....	.....	.....	.....	.....	65
1,250 00	.....	.....	.....	1,250 00	66
.....	.....	.....	.....	.....	67
.....	.....	.....	.....	.....	68
.....	.....	.....	.....	.....	69
.....	.....	.....	.....	.....	70
.....	.....	.....	.....	.....	71
.....	.....	.....	.....	.....	72
.....	.....	.....	.....	.....	73
.....	.....	.....	.....	.....	74
.....	.....	.....	.....	.....	75
.....	.....	.....	.....	.....	76
19,032 52	.....	494 62	.....	19,527 14	77

e Report incomplete.
f Owned and operated by private individuals.
g Value
h Not incorporated.

TABLE XCVI.—TELEGRAPHS—*Capital stock*: 1880.

	Name of company.	AUTHORIZED BY LAW OR CHARTER.		ISSUED FOR CASH.	
		Number of shares.	Amount.	Number of shares.	Amount.
	Total	968, 621	*Dollars.* 75, 907, 250	839, 143	*Dollars.* 66, 529, 200
1	Alabama and Great Southern (*a*)				
2	Altamaha (*b*)				
3	American Rapid	100, 000	10, 000, 000	30, 000	3, 000, 000
4	Atlantic and Pacific	150, 000	15, 000, 000	140, 000	14, 000, 000
5	Ashtabula and Pittsburgh (*a*)				
6	American	1, 000	25, 000	562	14, 050
7	Baltimore and Ohio (*a*)				
8	Burlington and Missouri River (*a*)				
9	Bryant's Pond and Andover (*c*)				
10	Bar Harbor and Mount Desert (*d*)	28	1, 400		
11	Bayou Sara and Woodville (*b*)				
12	Columbia and Greenville (*a*)				
13	Central District and Printing	5, 000	500, 000	5, 000	500, 000
14	Cincinnati and Eastern	100	10, 000	45	4, 500
15	Chester and Derry (*b*)				
16	Connecticut River	640	16, 000	640	16, 000
17	Colusa Lake and Mendocino	1, 000	25, 000		
18	Camden (*b*)				
19	Deseret	5, 000	500, 000		
20	Ellsworth and Deer Island	240	6, 000	218	5, 450
21	Ellsworth and Fremont (*d*)				
22	Fayetteville and Lumberton	26	1, 300	26	1, 300
23	Fountain City and Alma (*b*)				
24	Frontier (*e*)	100	10, 000	100	10, 000
25	Georgetown and Kingston (*d*)	4, 000	4, 000	110	110
26	Huntingdon and Broad Top Mountain (*a*)				
27	Harrington and Jonesport	28	2, 240		
28	Homer and Minden (*b*)				
29	International Ocean	15, 000	1, 500, 000	15, 000	1, 500, 000
30	Little Rock and Fort Smith (*a*)				
31	Lehigh				
32	Lake Mohonk	30	3, 000	23	2, 350
33	Lake Superior and Mineral Range	20, 000	20, 000	7, 000	7, 000
34	Montezuma	50	5, 000	47	4, 700
35	Middletown	100	1, 000	100	1, 000
36	Mineral Point and Dodgeville	50	500	29	290
37	Montana Central (*b*)				
38	Marine	60	300	60	300
39	Millbridge and Cherryfield	200	1, 000		
40	Northwestern	30, 000	1, 500, 000	25, 000	1, 250, 000
41	Northwestern Ohio (*a*)				
42	Paducah and Elizabethtown (*a*)				
43	Providence and Pascoag	500	50, 000	50	5, 000
44	Pensacola	50	5, 000	50	5, 000
45	Philadelphia Local	16, 000	400, 000	16, 000	400, 000

a Owned and operated by railroad company.
b No report.
c Not incorporated.
d Report incomplete.
e Six months.

TABLE XCVI.—TELEGRAPHS—*Capital stock:* 1880—Continued.

	Name of company.	AUTHORIZED BY LAW OR CHARTER.		ISSUED FOR CASH.	
		Number of shares.	Amount.	Number of shares.	Amount.
			Dollars.		*Dollars.*
46	Philadelphia, Reading and Pottsville	1,000	50,000	400	20,000
47	Pee Dee	500	5,000	164	1,640
48	Poughkeepsie, Hartford and Boston (*a*)				
49	Rumford Falls and Buckfield (*a*)				
50	Vermont International	160	16,000	160	16,000
51	Waterville	5	100	5	100
52	Western Union	410,734	41,073,410	410,734	41,073,410
53	Worcester and Nashua (*b*)				
54	Pacific and Atlantic	80,000	2,000,000	80,000	2,000,000
55	Michigan	6,000	150,000	6,000	150,000
56	Delaware River	21,000	525,000	1,600	40,000
57	Central Pacific (*b*)				
58	Northern New Hampshire				
59	Rodney and Fayette				
60	Gold and Stock	100,000	2,500,000	100,000	2,500,000
61	Attakapas				
62	Wilkesbarre and Harvey's Lake	20	1,000	20	1,000
63	Union Springs and Troy (*c*)				
64	Rising Sun (*d*)				
65	Taylorville and Susanville (*d*)				
66	Glen's Falls and Lake George				
67	Oregon Steam Navigation (*d*)				
68	Continental, Columbia, S. C. (*a*)				
69	Richmond, York River and Chesapeake (*a*)				
70	Cairo and Saint Louis (*a*)				
71	Cumberland and Pennsylvania (*a*)				
72	McKean and Buffalo (*a*)				
73	Rhinebeck and Connecticut River (*a*)				
74	Detroit and Lansing (*a*)				
75	Northern New York (*e*)				
76	Black Diamond (*e*)				
77	Cheyenne and Black Hills				

a Owned and operated by railroad company.
b Leased to the Western Union Telegraph Company.
c Report incomplete.
d Owned and operated by private individuals.
e Not incorporated.

TABLE XCVII.—TELEGRAPHS—*Service account:* 1880.

NOTE.—Twenty-seven of the seventy-seven companies make no report of the number of messages no report, the Baltimore and Ohio is operated by the railroad company, and the Gold and Stock does $410,737 54 receipts from messages, have kept no record of the number of messages sent. The receipts

	Name of company.	MESSAGES TRANSMITTED.		
		Number for the press.	Number for other parties.	Total.
	Total	3,154,398	28,548,783	31,703,181
1	Alabama and Great Southern		11,472	11,472
2	Altamaha	20	3,660	3,680
3	American Rapid (*a*)			
4	Atlantic and Pacific	137,593	1,040,126	1,177,719
5	Ashtabula and Pittsburgh		4,915	4,915
6	American			
7	Baltimore and Ohio			
8	Burlington and Missouri River		40,000	40,000
9	Bryant's Pond and Andover			
10	Bar Harbor and Mount Desert		6,897	6,897
11	Bayou Sara and Woodville		4,132	4,132
12	Columbia and Greenville			
13	Central District and Printing			
14	Cincinnati and Eastern	48	6,398	6,446
15	Chester and Derry		650	650
16	Connecticut River		15,000	15,000
17	Colusa Lake and Mendocino			
18	Camden		1,850	1,850
19	Deseret		33,352	33,352
20	Ellsworth and Deer Island			
21	Ellsworth and Fremont		1,042	1,042
22	Fayetteville and Lumberton		3,536	3,536
23	Fountain City and Alma		2,000	2,000
24	Frontier	213	4,923	5,136
25	Georgetown and Kingston (*a*)			
26	Huntingdon and Broad Top Mountain		1,053	1,053
27	Harrington and Jonesport		779	779
28	Homer and Minden	28	920	948
29	International Ocean	2,500	114,462	116,962
30	Little Rock and Fort Smith			
31	Lehigh		13,100	13,100
32	Lake Mohonk		1,715	1,715
33	Lake Superior and Mineral Range	250	17,694	17,944
34	Montezuma	64	3,974	4,038
35	Middletown		270	270
36	Mineral Point and Dodgeville	3	900	903
37	Montana Central	50	5,650	5,700
38	Marine		1,232	1,232
39	Millbridge and Cherryfield		808	808
40	Northwestern			
41	Northwestern Ohio		7,716	7,716
42	Paducah and Elizabethtown	63	3,405	3,468
43	Providence and Pascoag		6,800	6,800
44	Pensacola	50	7,450	7,500
45	Philadelphia Local	13,000	685,000	698,000

a Not in operation.

TABLE XCVII.—TELEGRAPHS—*Service account:* 1880.

sent. Of these, four are operated by the Western Union Company, two are not in operation, two make not have a message business. The remaining seventeen companies, reporting an aggregate amount of from these companies are only a little more than 2 per cent. of the total receipts from messages sent.

DESCRIPTION OF LINES.				AVERAGE NUMBER PERSONS EMPLOYED.								
Total length of lines.	Total miles of wire.	Number of stations or offices.	Principal terminus stations.	General officers.	General office clerks.	Operators.	Messengers.	Line repairers and other employés.	Total.	Number of poles set during the year.	Average cost of poles delivered at distributing points.	
Miles. 110,726 13/16	291,212 9/16	12,510	205	172	165	9,661	2,469	2,461	14,928	248,348	*Dolls.*	
305	.....	25	5	1	2	25	2	2	32	25	1 00	1
34	34	2	2	1	.....	2	2	.....	5	60	50	2
256	635	.....	.....	3	.....	.....	.....	100	103	6,100	2 00	3
6,634	19,191	317	6	7	10	232	117	138	504	.....	.....	4
63½	63½	14	2	.....	.....	14	.....	2	16	.....	.....	5
80	85	13	2	7	.....	13	.....	1	21	.....	.....	6
2,058	11,553	415	13	3	3	330	57	125	518	25,327	1 15	7
562	822	57	.....	.....	.....	88	6	.....	94	600	1 25	8
21	21	3	2	.....	.....	3	.....	.....	3	50	50	9
17	17	2	2	3	1	2	3	.....	9	.....	.....	10
30	32	3	2	.....	.....	2	.....	.....	2	50	50	11
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
300	300	620	.....	4	2	28	31	14	79	1,107	4 25	13
62	65	9	4	2	.....	9	.....	.....	11	600	85	14
7	7	4	2	3	.....	4	.....	.....	7	.....	50	15
65	80	20	2	4	1	20	.....	1	26	50	1 00	16
180	180	20	3	1	.....	20	.....	.....	21	40	2 00	17
58	.....	2	2	.....	.....	1	.....	.....	1	55	15	18
955	1,130	59	9	3	1	59	1	4	68	1,200	80	19
30	30	4	2	8	.....	4	4	.....	16	.....	50	20
21	21	3	2	4	.....	3	.....	.....	7	25	75	21
33	33	2	2	2	.....	2	1	1	6	.....	.....	22
30	30	4	2	1	.....	4	1	.....	6	.....	.....	23
248	250	13	3	1	.....	13	2	.....	16	.....	.....	24
45	45	2	2	2	.....	2	1	.....	5	1,250	70	25
52	52	10	2	.....	.....	10	.....	.....	10	.....	90	26
17	17	3	2	.....	.....	3	.....	.....	3	1	50	27
20	20	2	2	.....	.....	2	.....	.....	2	35	50	28
742¼	1,080	34	2	10	5	24	6	22	67	.....	.....	29
165	165	12	2	1	.....	12	2	1	16	.....	1 50	30
135	199	64	6	6	1	70	3	6	86	1,600	1 25	31
32½	32½	5	5	1	.....	4	.....	.....	5	.....	.....	32
45	58	12	5	2	.....	12	3	.....	17	350	50	33
35	35	6	6	2	.....	6	2	.....	10	2	1 50	34
8	8	2	2	.....	.....	2	.....	.....	2	20	50	35
8	8	3	3	4	.....	3	.....	.....	7	.....	.....	36
83	83	3	2	1	.....	3	.....	.....	4	.....	.....	37
5½	5½	2	2	3	2	2	1	.....	8	.....	30	38
5	5	2	2	2	.....	2	.....	.....	4	.....	1 00	39
6,849	11,616	657	7	8	6	750	125	20	909	30,000	90	40
83⅔	83⅔	12	2	.....	.....	19	.....	2	21	4,120	1 00	41
186	186	19	2	.....	.....	20	.....	.....	20	.....	.....	42
29	37	9	2	2	.....	7	2	.....	11	32	90	43
100	100	9	3	2	.....	9	2	.....	13	.....	1 00	44
425	425	110	2	3	4	47	15	41	110	113	3 82	45

TABLE XCVII.—TELEGRAPHS—*Service account:* 1880—Continued.

	Name of company.	MESSAGES TRANSMITTED.		
		Number for the press.	Number for other parties.	Total.
46	Philadelphia, Reading and Pottsville	.....	221, 620	221, 620
47	Pee Dee	20	952	972
48	Poughkeepsie, Hartford and Boston	.....	.....	.....
49	Rumford Falls and Buckfield	.....	1, 200	1, 200
50	Vermont International	.....	.....	.....
51	Waterville	.....	.....	.....
52	Western Union	*a* 3, 000, 000	*a* 26, 215, 509	29, 215, 509
53	Worcester and Nashua	.....	.....	.....
54	Pacific and Atlantic	.....	.....	.....
55	Michigan	.....	.....	.....
56	Delaware River	.....	.....	.....
57	Central Pacific	.....	.....	.....
58	Northern New Hampshire	.....	.....	.....
59	Rodney and Fayette	105	2, 914	3, 019
60	Gold and Stock	.....	.....	.....
61	Attakapas	185	14, 115	14, 300
62	Wilkesbarre and Harvey's Lake	.....	400	400
63	Union Springs and Troy	.....	7, 050	7, 050
64	Rising Sun	115	998	1, 113
65	Taylorville and Susanville	19	638	657
66	Glen's Falls and Lake George	.....	.....	.....
67	Oregon Steam Navigation	.....	8, 040	8, 040
68	Continental, Columbia, S. C	.....	.....	.....
69	Richmond, York River and Chesapeake	.....	.....	.....
70	Cairo and Saint Louis	.....	.....	.....
71	Cumberland and Pennsylvania	.....	.....	.....
72	McKean and Buffalo	.....	1, 200	1, 200
73	Rhinebeck and Connecticut River	.....	25	25
74	Detroit and Lansing	.....	.....	.....
75	Northern New York	.....	5, 663	5, 663
76	Black Diamond	.....	3, 860	3, 860
77	Cheyenne and Black Hills	72	11, 718	11, 790

a Estimated.

TABLE XCVII.—TELEGRAPHS—*Service account:* 1880—Continued.

DESCRIPTION OF LINES.				AVERAGE NUMBER PERSONS EMPLOYED.								
Total length of lines.	Total miles of wire.	Number of stations or offices.	Principal terminus stations.	General officers.	General office clerks.	Operators.	Messengers.	Line repairers and other employés.	Total.	Number of poles set during the year.	Average cost of poles delivered at distributing points.	
Miles.											*Dolls.*	
.....	2,366	349	8	4	.....	531	.....	.....	535	592	3 80	46
45	45	4	2	6	.....	4	.....	.....	10	25	40	47
45	46	10	2	.....	.....	10	.....	.....	10	.....	.....	48
37½	37½	4	2	.....	.....	4	.....	.....	4	350	40	49
120	250	22	3	4	.....	22	1	.....	27	.....	.....	50
2½	2½	25	3	.....	.....	.....	.....	.....	.....	.....	.....	51
85,645	233,534	9,077	.....	13	*a* 100	*a* 7,000	*a* 2,000	*a* 1,487	*a* 10,600	168,056	1 02	52
46	91	10	2	.....	.....	.....	.....	.....	.....	.....	.....	53
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	54
967	930	.....	.....	3	.....	.....	.....	.....	3	.....	.....	55
104	222	3	3	4	.....	.....	.....	.....	4	.....	.....	56
1,199	2,947	98	2	.....	.....	.....	.....	.....	.....	.....	.....	57
.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	58
16	18	2	2	1	.....	2	.....	.....	3	50	1 00	59
.....	439	165	N. Y.	19	27	59	65	494	664	.....	.....	60
58	58	8	2	1	.....	8	.....	.....	9	10	70	61
14	14	3	2	2	.....	3	3	.....	8	2	75	62
30	30	2	2	1	.....	2	1	.....	4	.....	75	63
8	8	2	2	.....	.....	2	.....	.....	2	7	60	64
32	32	2	2	3	.....	2	.....	.....	5	10	1 20	65
20½	20½	3	2	2	.....	3	.....	.....	5	.....	.....	66
280	280	11	2	.....	.....	11	2	.....	13	3,113	1 48	67
196	196	16	5	.....	.....	16	2	.....	18	400	60	68
38½	38½	5	2	.....	.....	5	.....	.....	5	1,100	40	69
146	146	18	2	.....	.....	18	1	.....	19	.....	.....	70
.....	.....	10	2	.....	.....	.....	.....	.....	.....	50	75	71
22½	25	7	3	1	.....	7	.....	.....	8	.....	.....	72
43	43	8	3	1	.....	8	.....	.....	9	.....	50	73
200	205	40	3	.....	.....	40	4	.....	44	800	30	74
30	38	7	3	.....	.....	7	.....	.....	7	.....	.....	75
6	6	2	2	.....	.....	2	.....	.....	2	.....	.....	76
255	255	8	3	.....	.....	8	1	.....	9	971	1 05	77

a Estimated.

TELEPHONES.

REMARKS.

The tables which exhibit the telephone system of the United States (as it existed in the census year) contain 148 companies and private concerns, which aggregate 34,305 miles of wire, 54,319 receiving telephones, and 3,338 employés.

Of this aggregate number of companies 74 make a complete set of reports, as required by the Census Bureau, including assets, receipts, or financial exhibit, and equipment and service account and employés.

The 74 companies, &c., reporting assets have 26,764 miles of wire and 2,630 employés, while the 74 companies which omitted to give their assets have only 7,541 miles of wire and 708 employés.

There are 132 companies, with 32,734 miles of wire and 3,104 employés, which report receipts from messages sent, &c., leaving 16 companies, &c., with 1,571 miles of wire and 234 employés, which omitted to report receipts or finances. All the companies, &c., which made reports, namely 148, show equipment and service account, and nearly all report employés, the few exceptions being those which attend to their telephone machinery and wire in person and do not hire attendants.

Besides those 148 companies, &c., which made reports some companies and parties known to own telephone machinery and wire had been requested to send in statements of their business, &c., but none could be obtained, as those companies had either not fully organized or commenced operations; therefore the aggregates, as exhibited in general financial exhibit, balance sheet, and service account, can only be taken as an approximation to the telephone business in the United States in 1880.

At the time when these statistics of the telephone business were collected some concerns were just in process of organization and had as yet, although chartered, not opened business and regular accounts, and therefore no satisfactory data could be obtained from such.

The tables following, therefore, only exhibit such companies and concerns as made reports of either their capital invested (assets) or general business.

The collections made have been with a view to exhibit the telephone business in 1880 as completely as circumstances allowed, and for the purpose of establishing a basis for the future taking of such statistics.

TABLE XCVIII.—TELEPHONES—*General financial exhibit:* 1880.

	Name of company.	LOCATION. City.	LOCATION. State.	Length of wire.
	Total			*Miles.* 32,734
1	Allentown Telephone Exchange	Allentown	Pa	50
2	American Bell Telephone Company	Boston	Mass	1,250
3	American Bell Telegraph Company of Fulton	Fulton	N. Y	8
4	American Bell Telegraph Exchange of Jamestown	Jamestown	N. Y	48
5	American District Telegraph Co. of Erie (limited)	Erie	Pa	20
6	American District Telegraph Company	Syracuse	N. Y	206
7	American District Telegraph Company of Utica	Utica	N. Y	160
8	American District Telegraph and Telephone Co	San José	Cal	15
9	Ames and Nevada Telephone Company	Nevada	Iowa	.....
10	Amsterdam Telegraph and Telephone Company	Amsterdam	N. Y	25
11	Anderson, T. B., Sedalia Telephone Exchange	Sedalia	Mo	40
12	Atchison Telephone Exchange Company	Atchison	Kans	45
13	Ayer Telephone Company	Ayer	Mass	.....
14	Balch & Root	Morrison	Ill	106
15	Batavia Telephone Exchange	Batavia	N. Y	30
16	Beatrice Electric Company	Beatrice	Nebr	4
17	Bell Telephone Company of Buffalo	Buffalo	N. Y	1,211
18	Bell Telephone Company of Illinois	Chicago	Ill	1,000
19	Bell Telephone Company of Madison	Madison	Wis	80
20	Bell Telephone Company of Missouri	Saint Louis	Mo	785
21	Bell Telephone Company of Philadelphia	Philadelphia	Pa	1,442
22	Black Hills Telephone Exchange Company	Deadwood	Dak	40
23	Bloomington Telephone Company	Bloomington	Ill	100
24	Boston and Northern Telephone Company	Salem	Mass	107
25	Bradford Telephone Company	Bradford	Pa	100
26	Brockton Telephone Company	Brockton	Mass	50
27	Brookline Telephone Exchange	Brookline	Mass	45
28	Burlington District Telephone Company	Burlington	Vt	35
29	Catskill Telegraph and Telephone Company	Catskill	N. Y	60
30	Central District and Printing Telegraph Company	Bellaire	Ohio	19
31	Central District and Printing Telegraph Company	Pittsburgh	Pa	459
32	Central District and Printing Telegraph Company	Wheeling	W. Va	87
33	Central Massachusetts Telephone Company	South Framingham	Mass	200
34	Central Pennsylvania Telephone and Supply Co	Williamsport	Pa	463
35	Central Telephone Company	Alton	Ill	267
36	City and Suburban Telegraph Association	Cincinnati	Ohio	2,100
37	Cheshire County Telephone Company	Keene	N. H	.....
38	Chippewa Valley Telegraph and Telephone Co	Eau Claire	Wis	140
39	Cleveland Telephone Company	Cleveland	Ohio	456
40	Clinton and Lyons Bell Telephone Company	Clinton	Iowa	207
41	Colorado Telephone Company	Denver	Colo	700
42	Columbia Telephone Exchange	Columbia	Pa	25
43	Columbus (Ind.) Telephone Exchange	Columbus	Ind	.....
44	Commercial Telephone Company	Albany	N. Y	1,000
45	Concord Telephone Exchange	Concord	N. H	43
46	Connecticut Telephone Company	New Haven	Conn	1,500
47	Connersville Bell Telephone Company	Connersville	Ind	20
48	Corry Telephone Exchange	Corry	Pa	8
49	Council Bluffs Telephone Company	Council Bluffs	Iowa	18
50	Danbury Telephone Dispatch Company	Danbury	Conn	35
51	Doboy and Union Island Telegraph Company	Darien	Ga	10
52	Domestic Telegraph and Telephone Company	Newark	N. J	470
53	Dunkirk Telephone Exchange	Dunkirk	N. Y	25
54	Eastern Pennsylvania Telephone Exchange	Reading	Penn	526
55	Easton Telephone Exchange	Easton	Penn	20
56	East Tennessee Telephone Company	Chattanooga	Tenn	185
57	Elmira Bell Telephone Exchange	Elmira	N. Y	55
58	Evansville Telephone Exchange	Evansville	Ind	120
59	Fishkill Telephone Company	Fishkill	N. Y	22
60	Freeport Telephone Exchange Company	Freeport	Ill	30

TABLE XCVIII.—TELEPHONES—*General financial exhibit:* 1880.

Receipts.	Expenditures.	Net income.	Dividends.	Surplus.	Deficits.	
Dollars. 3,098,081	*Dollars.* *a* 2,373,703	*Dollars.* 770,516	*Dollars.* 302,730	*Dollars.* 467,786	*Dollars.* 46,138	
4,749	4,356	393	.....	393	.....	1
605,184	339,426	265,758	178,500	87,258	.....	2
597	445	152	.....	152	.....	3
1,972	1,353	619	.....	619	.....	4
5,574	4,244	1,330	.....	1,330	.....	5
13,000	13,945	.....	.....	.....	945	6
17,770	11,974	5,796	.....	5,796	.....	7
3,900	1,800	2,100	.....	2,100	.....	8
.....	.....	.....	.....	.....	.....	9
479	402	77	.....	77	.....	10
3,600	2,300	1,300	.....	1,300	.....	11
4,000	3,453	547	.....	547	.....	12
.....	.....	.....	.....	.....	.....	13
4,911	4,899	12	.....	12	.....	14
1,126	1,086	40	.....	40	.....	15
646	569	77	.....	77	.....	16
79,048	69,302	9,746	.....	9,746	.....	17
63,516	62,925	591	.....	591	.....	18
3,510	3,510	.....	.....	.....	.....	19
97,488	63,368	34,120	6,000	28,120	.....	20
168,516	103,024	65,492	63,840	1,652	.....	21
4,236	2,923	1,313	.....	1,313	.....	22
6,650	4,950	1,700	.....	1,700	.....	23
3,254	1,638	1,616	.....	1,616	.....	24
5,629	6,865	.....	.....	.....	1,236	25
3,769	2,910	859	.....	859	.....	26
3,362	3,362	.....	.....	.....	.....	27
4,541	2,600	1,941	.....	1,941	.....	28
469	306	163	.....	163	.....	29
1,545	692	853	.....	853	.....	30
95,303	54,213	41,090	15,000	26,090	.....	31
9,098	3,828	5,270	.....	5,270	.....	32
5,408	5,108	300	.....	300	.....	33
22,818	11,140	11,678	.....	11,678	.....	34
10,375	14,553	.....	.....	.....	4,178	35
128,221	113,077	15,144	8,000	7,144	.....	36
.....	.....	.....	.....	.....	.....	37
6,246	5,637	609	.....	609	.....	38
22,168	21,047	1,121	.....	1,121	.....	39
6,250	6,927	.....	.....	.....	677	40
75,925	57,747	18,178	18,000	178	.....	41
685	442	243	.....	243	.....	42
.....	.....	.....	.....	.....	.....	43
48,173	47,478	695	.....	695	.....	44
2,000	2,040	.....	.....	.....	40	45
60,500	6,365	54,135	.....	54,135	.....	46
1,262	663	599	.....	599	.....	47
739	659	80	.....	80	.....	48
3,593	2,912	681	.....	681	.....	49
2,812	2,628	184	.....	184	.....	50
94	35	59	.....	59	.....	51
25,652	16,186	9,466	.....	9,466	.....	52
1,374	1,299	75	.....	75	.....	53
10,533	6,808	3,725	.....	3,725	.....	54
1,200	4,600	.....	.....	.....	3,400	55
18,956	6,232	12,724	1,240	11,484	.....	56
3,965	3,965	.....	.....	.....	.....	57
10,523	24,679	.....	.....	.....	14,156	58
1,494	1,214	280	.....	280	.....	59
2,481	4,142	.....	.....	.....	1,661	60

a Amount of expenses over receipts by some companies aggregates $46,138 (see deficits).

TABLE XCVIII.—TELEPHONES—*General financial exhibit:* 1880—Continued.

	Name of company.	LOCATION. City.	LOCATION. State.	Length of wire.
				Miles.
61	Fulton County Telephone Company	Gloversville	N. Y	20
62	Galesburg Telephone Exchange	Galesburg	Ill	10
63	Galion Telephone Exchange	Galion	Ohio	12
64	Glenwood Telephone Exchange Company	Glenwood	Iowa	10
65	Greenville Telephone Exchange	Greenville	Ohio	15
66	Hannibal Telephone Company	Hannibal	Mo	80
67	Harrisburg Telephonic Exchange	Harrisburg	Penn	.....
68	Henderson Telephone Exchange	Henderson	Ky	32
69	Hope Valley Telephone Company	Hope Valley	R. I	9
70	Hot Springs Telephone Exchange	Hot Springs	Ark	25
71	Hudson Telegraph and Telephone Company	Hudson	N. Y	41
72	Inter-State Telephone Company	Providence	R. I	400
73	Ithaca Telephone Exchange	Ithaca	N. Y	30
74	Janesville Telephone Exchange	Janesville	Wis	17
75	Johnson, L	Vincennes	Ind	.....
76	Joliet Telephone Company	Joliet	Ill	85
77	Lambertville Telephone Exchange	Lambertville	N. J	.....
78	Lancaster Bell Telephone Exchange	Lancaster	Penn	.....
79	Leadville Telephone Company	Leadville	Colo	220
80	Leavenworth Telephone Exchange Company	Leavenworth	Kans	175
81	Litchfield Telephone Company	Litchfield	Conn	8
82	Little Rock Telephone Exchange	Little Rock	Ark	65
83	Lowell District Telephone Company	Lowell	Mass	1,500
84	Louisiana Telephone Company	New Orleans	La	478
85	Manchester Telephone Exchange	Manchester	N. H	165
86	Mansfield Telephone Exchange	Mansfield	Ohio	25
87	Marshalltown Telephone Company	Marshalltown	Iowa	42
88	Maryland Telephone Company	Baltimore	Md	600
89	Mayfield, E. W	Jacksonville	Ill	35
90	Memphis Telephone Exchange	Memphis	Tenn	120
91	Merchants' Telephone and Telegraph Company	Emporia	Mo	.....
92	Metropolitan Telephone and Telegraph Company	New York	N. Y	4,973
93	Middletown Telephone Exchange	Middletown	Ohio	80
94	Milwaukee Telephone Exchange Company	Milwaukee	Wis	537
95	Montana Agency	Fort Benton	Montana	25
96	Montpelier Telephone Exchange	Montpelier	Vt	.....
97	Muncie Bell Telephone Company	Muncie	Ind	15
98	Narragansett Pier Telegraph Exchange	Narragansett Pier	R. I	15
99	Nashua Telephone Exchange	Nashua	N. H	15
100	Nashville Telephone Exchange	Nashville	Tenn	.....
101	National Bell Telephone Company of Maine	Portland	Me	230
102	National Capital Telephone Company	Washington	D. C	211
103	Neenah Telephone Company	Neenah	Wis	10
104	Newburgh Telephone Company	Newburgh	N. Y	125
105	New London Telephone Company	New London	Conn	60
106	New Milford Bell Telephone Company	New Milford	Conn	35
107	Northwestern Telephone Exchange Company	Minneapolis	Minn	.....
108	Ogden Telephone Exchange	Ogden City	Utah	38
109	Omaha Electric Company	Omaha	Nebr	179
110	Owensboro' Telephone Exchange	Owensboro'	Ky	58
111	Pacific Bell Telephone Company	San Francisco	Cal	565
112	Park City Telephone Exchange Company	Park City	Utah	12
113	Parmenter & Co	Wooster	Ohio	11
114	Peoria Bell Telephone Exchange	Peoria	Ill	100
115	Portland Teleph., Telegr. and Electric Light Co	Portland	Oreg	100
116	Providence Telephone Company	Providence	R. I	300
117	Rome Telephone Exchange	Rome	N. Y	60
118	Rushville Bell Telephone Company	Rushville	Ind	.....
119	Rutland Telephone Exchange	Rutland	Vt	20
120	Scranton Bell Telephone Company	Scranton	Pa	.....
121	Shelby Telephone Company	Shelby	Ohio	2
122	Sidney Bell Telephone Company	Sidney	Ohio	22
123	Sioux City Telephone Exchange Company	Sioux City	Iowa	75
124	Southern Bell Telephone and Telegraph Company	Danville	Va	740
125	Southern Massachusetts Telegr. and Teleph. Co	New Bedford	Mass	500

TABLE XCVIII.—TELEPHONES—*General financial exhibit:* 1880—Continued.

Receipts.	Expenditures.	Net income.	Dividends.	Surplus.	Deficits.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
3,656	3,656	.....	.....	.....	.....	61
8,000	7,000	1,000	.....	1,000	.....	62
520	189	331	.....	331	.....	63
1,520	1,445	75	.....	75	.....	64
1,420	1,837	.....	.....	.....	417	65
5,564	4,351	1,213	.....	1,213	.....	66
.....	.....	.....	.....	.....	.....	67
555	226	329	.....	329	.....	68
230	206	24	.....	24	.....	69
2,495	2,928	.....	.....	.....	433	70
5,779	4,050	1,729	250	1,479	.....	71
699	1,155	.....	.....	.....	456	72
2,661	1,716	945	.....	945	.....	73
1,105	1,825	.....	.....	.....	720	74
.....	.....	.....	.....	.....	.....	75
5,439	2,636	2,803	.....	2,803	.....	76
.....	.....	.....	.....	.....	.....	77
.....	.....	.....	.....	.....	.....	78
16,733	16,180	553	.....	553	.....	79
5,000	3,697	1,303	.....	1,303	.....	80
756	611	145	.....	145	.....	81
7,786	7,245	541	.....	541	.....	82
57,899	52,801	5,098	.....	5,098	.....	83
99,437	82,794	16,643	6,000	10,643	.....	84
9,060	6,050	3,010	.....	3,010	.....	85
2,124	3,070	.....	.....	.....	946	86
2,735	2,135	600	.....	600	.....	87
59,635	34,378	25,257	.....	25,257	.....	88
2,880	1,816	1,064	.....	1,064	.....	89
14,841	15,945	.....	.....	.....	1,104	90
.....	.....	.....	.....	.....	.....	91
540,292	518,845	21,447	.....	21,447	.....	92
4,600	1,200	3,400	.....	3,400	.....	93
44,979	35,927	9,052	.....	9,052	.....	94
400	300	100	.....	100	.....	95
.....	.....	.....	.....	.....	.....	96
2,385	1,765	620	.....	620	.....	97
945	590	355	300	55	.....	98
2,854	2,788	66	.....	66	.....	99
.....	.....	.....	.....	.....	.....	100
28,555	20,938	7,617	.....	7,617	.....	101
24,000	28,000	.....	.....	.....	4,000	102
1,225	625	600	.....	600	.....	103
5,328	5,041	287	.....	287	.....	104
5,511	5,947	.....	.....	.....	436	105
2,715	2,660	55	.....	55	.....	106
.....	.....	.....	.....	.....	.....	107
2,717	5,012	.....	.....	.....	2,295	108
12,133	7,988	4,145	1,500	2,645	.....	109
3,557	1,690	1,867	.....	1,867	.....	110
36,354	29,196	7,158	.....	7,158	.....	111
360	290	70	.....	70	.....	112
600	450	150	.....	150	.....	113
10,000	7,300	2,700	.....	2,700	.....	114
8,127	6,765	1,362	.....	1,362	.....	115
18,492	13,092	5,400	.....	5,400	.....	116
4,186	1,709	2,477	.....	2,477	.....	117
.....	.....	.....	.....	.....	.....	118
1,200	240	960	.....	960	.....	119
.....	.....	.....	.....	.....	.....	120
216	110	106	.....	106	.....	121
1,364	1,335	29	.....	29	.....	122
4,558	4,237	321	.....	321	.....	123
93,177	67,964	25,213	.....	25,213	.....	124
40,000	35,700	4,300	1,350	2,950	.....	125

TABLE XCVIII.—TELEPHONES—*General financial exhibit:* 1880—Continued.

	Name of company.	LOCATION. City.	State.	Length of wire.
				Miles.
126	Southern New York Bell Telephone Company	Binghamton	N. Y	35
127	Southern Ohio Telephone Exchange Company	Ironton	Ohio	111
128	Southern Worcester Telephone Company	Southbridge	Mass	25
129	Springfield Telephone Company	Springfield	Mass	125
130	Stamford and Norwalk Telegraph Company	Stamford	Conn	85
131	Saint Joseph Telephone Exchange Company	Saint Joseph	Mo	225
132	Saint Johnsbury Telephone Exchange	Saint Johnsbury	Vt	7
133	Stafford Telephone Company	Stafford Springs	Conn	13
134	Steuben Bell Telephone Company	Corning	N. Y	50
135	Telephone Dispatch Company	Haverhill	Mass	1,250
136	Telephone and Telegraph Construction Company	Detroit	Mich	711
137	Topeka Telephone Company	Topeka	Kans	80
138	Union Telephone Exchange	Norwalk	Ohio	25
139	Vergennes Telephone Exchange	Vergennes	Vt	2
140	Warren Telephone Exchange	Warren	Pa	25
141	Watertown Telephone Company	Watertown	N. Y	15
142	Waterbury Automatic Signal Telegraph Company	Waterbury	Conn	117
143	Western Telephone Company	Chicago	Ill	.....
144	Western Massachusetts Telephone Company	Pittsfield	Mass	.....
145	Wilkesbarre Telephone Exchange	Wilkesbarre	Pa	98
146	Wilmington Bell Telephone Exchange	Wilmington	Del	108
147	Winsted Telephone Exchange	Winsted	Conn	10
148	Winter Brothers' Telephone Exchange	Kingston	N. Y	13

TABLE XCIX.—*Balance sheet, &c.:* 1880.

	Name of company.	BALANCE SHEET. Assets. Franchises.	Cash.	Bills and accounts receivable.	Total.
	Total	*Dollars.* 14,231,958	*Dollars.* 943,557	*Dollars.* 526,620	*Dollars.* 15,702,135
1	Allentown Telephone Exchange	3,046	.....	232	3,278
2	American Bell Telephone Company	9,204,853	100,753	215,130	9,520,736
3	American Bell Telegraph Company of Fulton	.....	.....	.....	.....
4	American Bell Telegraph Exchange of Jamestown	3,421	541	718	4,680
5	American District Telegraph Co. of Erie (limited)	.....	.....	.....	.....
6	American District Telegraph Company	19,985	.....	2,944	22,929
7	American District Telegraph Company of Utica	11,861	2,254	6,305	20,420
8	American District Telegraph and Telephone Co	.....	.....	.....	.....
9	Ames and Nevada Telephone Company	.....	.....	.....	.....
10	Amsterdam Telegraph and Telephone Company	5,100	427	52	5,579
11	Anderson, T. B., Sedalia Telephone Exchange	.....	.....	.....	.....
12	Atchison Telephone Exchange Company	14,500	400	300	15,200
13	Ayer Telephone Company	.....	.....	.....	.....
14	Balch & Root	33,500	.....	2,820	36,320
15	Batavia Telephone Exchange	1,126	.....	.....	1,126
16	Beatrice Electric Company	1,860	.....	.....	1,860
17	Bell Telephone Company of Buffalo	307,250	4,147	5,696	317,093
18	Bell Telephone Company of Illinois	151,321	10,468	5,758	167,547
19	Bell Telephone Company of Madison	.....	.....	.....	.....
20	Bell Telephone Company of Missouri	400,000	14,575	17,638	432,213
21	Bell Telephone Company of Philadelphia	316,400	.....	.....	316,400
22	Black Hills Telephone Exchange Company	.....	.....	.....	.....
23	Bloomington Telephone Company	4,215	1,153	547	5,915
24	Boston and Northern Telephone Company	10,000	178	21,438	31,616
25	Bradford Telephone Company	.....	.....	.....	.....

TABLE XCVIII.—TELEPHONES—*General financial exhibit:* 1880—Continued.

Receipts.	Expenditures.	Net income.	Dividends.	Surplus.	Deficits.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
3,273	5,583	.....	.....	.....	2,310	126
13,121	12,947	174	.....	174	.....	127
2,309	1,799	510	.....	510	.....	128
19,988	17,767	2,221	1,500	721	.....	129
14,805	14,222	583	.....	583	.....	130
8,856	7,260	1,596	1,250	346	.....	131
518	340	178	.....	178	.....	132
515	548	.....	.....	.....	33	133
1,180	4,939	.....	.....	.....	3,759	134
3,594	5,934	.....	.....	.....	2,340	135
73,360	50,787	22,573	.....	22,573	.....	136
5,550	4,960	590	.....	590	.....	137
820	765	55	.....	55	.....	138
165	90	75	.....	75	.....	139
1,223	893	330	.....	330	.....	140
5,049	4,052	997	.....	997	.....	141
11,605	12,201	.....	.....	.....	596	142
.....	.....	.....	.....	.....	.....	143
.....	.....	.....	.....	.....	.....	144
10,853	7,435	3,418	.....	3,418	.....	145
7,859	7,319	540	.....	540	.....	146
1,362	433	929	.....	929	.....	147
1,828	1,532	296	.....	296	.....	148

TABLE XCIX.—*Balance sheet, &c.:* 1880.

BALANCE SHEET—continued.				CAPITAL STOCK.				
Liabilities.				Authorized by law or charter.		Total issued.		
Capital stock.	Funded and other debt.	Profit and loss.	Total.	Number of shares.	Total common and preferred.	Number of shares.	Amount.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*		*Dollars.*		*Dollars.*	
12,476,652	1,247,067	1,978,416	15,702,135	237,840	17,386,700	191,317½	13,358,720	
1,600	.....	1,678	3,278	.....	.....	.....	.....	1
7,350,000	540,347	1,630,389	9,520,736	100,000	10,000,000	73,500	7,350,000	2
.....	.....	.....	.....	.....	.....	.....	.....	3
2,000	2,062	618	4,680	40	2,000	40	2,000	4
.....	.....	.....	.....	80	4,000	80	4,000	5
2,000	20,929	.....	22,929	400	2,000	400	2,000	6
20,000	.....	420	20,420	200	20,000	200	20,000	7
.....	.....	.....	.....	.....	.....	.....	.....	8
.....	.....	.....	.....	.....	.....	.....	.....	9
5,100	402	77	5,579	51	5,100	51	5,100	10
.....	.....	.....	.....	.....	.....	.....	.....	11
15,000	200	.....	15,200	300	30,000	300	15,000	12
.....	.....	.....	.....	.....	.....	.....	.....	13
36,000	.....	320	36,320	.....	.....	.....	.....	14
.....	450	676	1,126	.....	.....	.....	.....	15
1,700	160	.....	1,860	20	2,000	17	1,700	16
300,000	7,346	9,747	317,093	300	300,000	300	300,000	17
.....	167,547	.....	167,547	2,000	200,000	.....	.....	18
.....	.....	.....	.....	.....	.....	.....	.....	19
400,000	21,492	10,721	432,213	4,000	400,000	4,000	400,000	20
316,400	.....	.....	316,400	11,200	280,000	12,656	316,400	21
.....	.....	.....	.....	.....	.....	.....	.....	22
4,215	.....	1,700	5,915	.....	.....	.....	.....	23
30,000	.....	1,616	31,616	300	30,000	300	30,000	24
.....	.....	.....	.....	.....	.....	.....	.....	25

TABLE XCIX.—TELEPHONES—*Balance sheet, &c.:* 1880—Continued.

	Name of company.	BALANCE SHEET. Assets. Franchises.	Cash.	Bills and accounts receivable.	Total.
		Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
26	Brockton Telephone Company	17,100	294	385	17,779
27	Brookline Telephone Exchange	5,000	.....	.....	5,000
28	Burlington District Telephone Company	.....	.....	.....	.....
29	Catskill Telegraph and Telephone Company	2,000	.....	.....	2,000
30	Central District and Printing Telegraph Company	.....	.....	.....	.....
31	Central District and Printing Telegraph Company	500,000	25,123	967	526,090
32	Central District and Printing Telegraph Company	.....	.....	.....	.....
33	Central Massachusetts Telephone Company	.....	.....	.....	.....
34	Central Pennsylvania Telephone and Supply Co	80,055	29,152	4,222	113,429
35	Central Telephone Company	.....	.....	.....	.....
36	City and Suburban Telegraph Association	166,458	4,549	4,755	175,762
37	Cheshire County Telephone Company	.....	.....	.....	.....
38	Chippewa Valley Telegraph and Telephone Co	10,987	326	506	11,819
39	Cleveland Telephone Company	78,585	455	495	79,535
40	Clinton & Lyon's Bell Telephone Company	32,000	98	460	32,558
41	Colorado Telephone Company	205,016	179	3,021	208,216
42	Columbia Telephone Exchange	1,200	243	36	1,479
43	Columbus (Ind.) Telephone Exchange	.....	.....	.....	.....
44	Commercial Telephone Company	61,802	695	3,380	65,877
45	Concord Telephone Exchange	.....	.....	.....	.....
46	Connecticut Telephone Company	162,000	3,297	11,163	176,460
47	Connersville Bell Telephone Company	.....	.....	.....	.....
48	Corry Telephone Exchange	.....	.....	.....	.....
49	Council Bluffs Telephone Company	3,602	156	2,870	6,628
50	Danbury Telephone Dispatch Company	2,898	3	47	2,948
51	Doboy and Union Island Telegraph Company	1,800	.....	.....	1,800
52	Domestic Telegraph and Telephone Company	50,796	1,737	5,472	58,005
53	Dunkirk Telephone Exchange	2,643	.....	.....	2,643
54	Eastern Pennsylvania Telephone Exchange	65,823	902	.....	66,725
55	Easton Telephone Exchange	4,600	.....	250	4,850
56	East Tennessee Telephone Company	59,982	1,451	1,224	62,657
57	Elmira Bell Telephone Exchange	.....	.....	.....	.....
58	Evansville Telephone Exchange	17,189	1,190	128	18,507
59	Fishkill Telephone Company	1,934	12	177	2,123
60	Freeport Telephone Exchange Company	.....	.....	.....	.....
61	Fulton County Telephone Company	2,390	91	268	2,749
62	Galesburg Telephone Exchange	.....	.....	.....	.....
63	Galion Telephone Exchange	.....	.....	.....	.....
64	Glenwood Telephone Exchange Company	700	75	.....	775
65	Greenville Telephone Exchange	.....	.....	.....	.....
66	Hannibal Telephone Company	7,189	.....	.....	7,189
67	Harrisburg Telephonic Exchange	.....	.....	.....	.....
68	Henderson Telephone Exchange	.....	.....	.....	.....
69	Hope Valley Telephone Company	.....	24	.....	24
70	Hot Springs Telephone Exchange	13,000	.....	.....	13,000
71	Hudson Telegraph and Telephone Company	5,772	84	643	6,499
72	Inter-State Telephone Company	31,970	364	1,666	34,000
73	Ithaca Telephone Exchange	3,809	109	105	4,023
74	Janesville Telephone Exchange	862	1,280	.....	2,142
75	Johnson, L	.....	.....	.....	.....
76	Joliet Telephone Company	.....	.....	.....	.....
77	Lambertville Telephone Exchange	.....	.....	.....	.....
78	Lancaster Bell Telephone Exchange	.....	.....	.....	.....
79	Leadville Telephone Company	100,000	553	909	101,462
80	Leavenworth Telephone Exchange Company	.....	173	13,464	13,637
81	Litchfield Telephone Company	.....	.....	.....	.....
82	Little Rock Telephone Exchange	.....	.....	.....	.....
83	Lowell District Telephone Company	.....	.....	.....	.....
84	Louisiana Telephone Company	187,900	5,466	17,918	211,284
85	Manchester Telephone Exchange	.....	.....	.....	.....

TABLE XCIX.—TELEPHONES—*Balance sheet, &c.*: 1880—Continued.

BALANCE SHEET—continued.				CAPITAL STOCK.				
Liabilities.				Authorized by law or charter.		Total issued.		
Capital stock.	Funded and other debt.	Profit and loss.	Total.	Number of shares.	Total common and preferred.	Number of shares.	Amount.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*		*Dollars.*		*Dollars.*	
15,350	1,570	859	17,779	170	17,000	153½	15,350	26
5,000			5,000					27
								28
2,000			2,000	200	2,000	200	2,000	29
								30
500,000		26,090	526,090	5,000	500,000	5,000	500,000	31
								32
				50	5,000	36	3,600	33
100,000	1,751	11,678	113,429	1,000	100,000	1,000	100,000	34
								35
100,000	48,200	27,562	175,762	2,000	100,000	2,000	100,000	36
								37
10,000	426	1,393	11,819	100	10,000	100	10,000	38
75,000	2,328	2,207	79,535	1,500	150,000	1,500	150,000	39
10,000	20,975	1,583	32,558	2,000	10,000	2,000	10,000	40
180,000	2,349	25,867	208,216	40,000	200,000	36,000	180,000	41
600	654	225	1,479					42
								43
50,000	15,000	877	65,877	500	50,000	500	50,000	44
								45
125,000	36,212	15,248	176,460	8,000	200,000	5,000	125,000	46
								47
								48
5,000	947	681	6,628	50	5,000	50	5,000	49
2,000	522	426	2,948	400	10,000	80	2,000	50
1,731		69	1,800					51
44,225		13,780	58,005	1,000	*a* 100,000	457	45,700	52
2,500	68	75	2,643	25	2,500	25	2,500	53
50,000	13,000	3,725	66,725	2,000	50,000	2,000	50,000	54
		4,850	4,850					55
49,000	932	12,725	62,657	800	80,000	490	49,000	56
				200	20,000	200	20,000	57
15,000	3,507		18,507	150	15,000	150	15,000	58
1,500	343	280	2,123	400	10,000	60	1,500	59
								60
2,500	249		2,749	50	5,000	50	2,500	61
								62
								63
700		75	775					64
								65
6,500		689	7,189	200	10,000	130	6,500	66
								67
								68
		24	24					69
13,000			13,000	1,040	26,000	520	13,000	70
5,000	290	1,209	6,499	200	5,000	200	5,000	71
34,000			34,000	1,000	100,000	340	34,000	72
2,100	978	945	4,023					73
2,000		142	2,142					74
								75
								76
								77
								78
100,000	1,462		101,462	2,000	100,000	2,000	100,000	79
7,300	500	5,837	13,637					80
								81
								82
				2,500	250,000	2,500	250,000	83
200,000	641	10,643	211,284	2,000	*a* 200,000	2,000	200,000	84
								85

a Preferred.

TABLE XCIX.—TELEPHONES—*Balance sheet, &c.:* 1880—Continued.

	Name of company.	BALANCE SHEET. Assets. Franchises.	Cash.	Bills and accounts receivable.	Total.
		Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
86	Mansfield Telephone Exchange				
87	Marshalltown Telephone Company		5,250		5,250
88	Maryland Telephone Company	199,480	156	34,720	234,356
89	Mayfield, E. W				
90	Memphis Telephone Exchange				
91	Merchants' Telephone and Telegraph Company				
92	Metropolitan Telephone and Telegraph Company	481,250	662,835	112,003	1,256,088
93	Middletown Telephone Exchange				
94	Milwaukee Telephone Exchange Company	417,177	1,242	2,406	420,825
95	Montana Agency				
96	Montpelier Telephone Exchange				
97	Muncie Bell Telephone Company				
98	Narragansett Pier Telegraph Exchange				
99	Nashua Telephone Exchange				
100	Nashville Telephone Exchange				
101	National Bell Telephone Company of Maine	40,767	2,137	348	43,252
102	National Capital Telephone Company				
103	Neenah Telephone Company				
104	Newburg Telephone Company				
105	New London Telephone Company				
106	New Milford Bell Telephone Company				
107	Northwestern Telephone Exchange Company				
108	Ogden Telephone Exchange				
109	Omaha Electric Company	27,830	1,350	3,664	32,844
110	Owensboro' Telephone Exchange	5,117	132	168	5,417
111	Pacific Bell Telephone Company	62,088		9,527	71,615
112	Park City Telephone Exchange Company				
113	Parmenter & Co				
114	Peoria Bell Telephone Exchange				
115	Portland Telephone, Telegraph and Electric Light Co.	36,763	137		36,900
116	Providence Telephone Company				
117	Rome Telephone Exchange				
118	Rushville Bell Telephone Company				
119	Rutland Telephone Exchange				
120	Scranton Bell Telephone Company				
121	Shelby Telephone Company	216			216
122	Sidney Bell Telephone Company				
123	Sioux City Telephone Exchange Company				
124	Southern Bell Telephone and Telegraph Company	303,280	23,965	1,838	329,083
125	Southern Massachusetts Telegraph and Telephone Co.	65,000	1,200	400	66,600
126	Southern New York Bell Telephone Company				
127	Southern Ohio Telephone Exchange Company	7,083	568	134	7,785
128	Southern Worcester Telephone Company				
129	Springfield Telephone Company	28,061	2,063	146	30,270
130	Stamford and Norwalk Telegraph Company		14,805	98	14,903
131	Saint Joseph Telephone Exchange Company	27,751	346	1,903	30,000
132	Saint Johnsbury Telephone Exchange				
133	Stafford Telephone Company	1,744	400	556	2,700
134	Steuben Bell Telephone Company				
135	Telephone Dispatch Company				
136	Telephone and Telegraph Construction Company	135,773	1,678	3,511	140,962
137	Topeka Telephone Company				
138	Union Telephone Exchange	1,770		200	1,970
139	Vergennes Telephone Exchange				
140	Warren Telephone Exchange				
141	Watertown Telephone Company	2,308	1,159	171	3,638
142	Waterbury Automatic Signal Telegraph Company	12,000	8	600	12,608
143	Western Telephone Company				
144	Western Massachusetts Telephone Company				
145	Wilkesbarre Telephone Exchange		10,853		10,853
146	Wilmington Bell Telephone Exchange				
147	Winsted Telephone Exchange				
148	Winter Brothers' Telephone Exchange	1,000	296	118	1,414

TABLE XCIX.—TELEPHONES—*Balance sheet, &c.:* 1880—Continued.

BALANCE SHEET—continued.				CAPITAL STOCK.				
Liabilities.				Authorized by law or charter.		Total issued.		
Capital stock.	Funded and other debt.	Profit and loss.	Total.	Number of shares.	Total common and preferred.	Number of shares.	Amount.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*		*Dollars.*		*Dollars.*	
								86
5, 250			5, 250					87
200, 000	9, 098	25, 258	234, 356	2, 000	200, 000	2, 000	200, 000	88
								89
								90
								91
1, 000, 000	234, 641	21, 447	1, 256, 088	10, 000	1, 000, 000	10, 000	1, 000, 000	92
								93
400, 000	7, 079	13, 746	420, 825	8, 000	400, 000	8, 000	400, 000	94
								95
								96
								97
								98
								99
								100
32, 300	3, 335	7, 617	43, 252	1, 500	150, 000	323	32, 300	101
				2, 000	200, 000	2, 000	200, 000	102
								103
								104
								105
								106
								107
				120	12, 000	120	12, 000	108
25, 000	1, 583	6, 261	32, 844	250	25, 000	250	25, 000	109
2, 500	1, 050	1, 867	5, 417	200	20, 000	25	2, 500	110
50, 000	14, 457	7, 158	71, 615	1, 000	100, 000	1, 000	100, 000	111
								112
								113
								114
30, 000	6, 900		36, 900	300	30, 000	300	30, 000	115
				2, 000	*a* 100, 000	1, 500	75, 000	116
								117
								118
								119
								120
100		116	216					121
								122
								123
297, 000	6, 870	25, 213	329, 083	10, 000	*a* 1, 000, 000	2, 970	297, 000	124
45, 000	16, 600	5, 000	66, 600	600	*a* 60, 000	450	45, 000	125
				250	250, 000	250	250, 000	126
6, 000	1, 611	174	7, 785	250	25, 000			127
								128
30, 000	270		30, 270	300	30, 000	300	30, 000	129
10, 000		4, 903	14, 903	800	20, 000	400	10, 000	130
25, 000	5, 000		30, 000	250	25, 000	250	25, 000	131
								132
1, 600	585	515	2, 700	64	1, 600	64	1, 600	133
				200	20, 000	200	20, 000	134
								135
100, 000	18, 389	22, 573	140, 962	4, 000	100, 000	4, 000	100, 000	136
								137
1, 970			1, 970	30	3, 000	30	1, 970	138
								139
								140
2, 500	1, 095	43	3, 638					141
7, 500	4, 500	608	12, 608	300	7, 500	300	7, 500	142
								143
								144
3, 911		6, 942	10, 853					145
								146
								147
	165	1, 249	1, 414					148

a Preferred.

TABLE C.—TELEPHONES—*Service account:* 1880.

Name of company.	Number of circuits.	Miles of wire.	Number of central offices.	Number of exchanges included in report.	Number of subscribers' stations.	Number of receiving telephones in use.	Number of battery transmitters in use.	Number of cells—open circuit battery.	Number of cells—closed circuit battery.	Number of persons employed.
Total	32,922	34,305	89	348	48,414	54,319	52,198	48,098	15,572	3,338
Allentown Telephone Exchange	43	50	.....	1	78	79	79	79	2	6
American Bell Telephone Company	1,039	1,250	.....	1	1,214	1,300	1,300	1,500	200	.....
American Bell Telegr. Co. of Fulton	23	8	.....	1	31	31	24	24	3	.....
Amer. Bell Telegr. Exch. of Jamestown	76	48	1	3	123	117	112	124	3	9
Amer. Dist. Telegr. Co. of Erie (limited)	72	20	.....	1	173	152	151	119	63	16
American District Telegraph Company	430	206	1	2	619	619	605	800	500	30
American District Telegr. Co. of Utica	340	160	.....	1	355	358	355	800	75	24
Amer. District Telegr. and Teleph. Co.	5	15	1	1	100	.....	.....	75	75	8
Ames and Nevada Telephone Co	.....	18	1	3	41	41	35	.....	.....	8
Amsterdam Telegr. and Teleph. Co	61	25	.....	1	61	62	62	63	.....	5
Anderson, T. B., Sedalia Teleph. Exch.	63	40	1	1	107	108	100	110	.....	3
Atchison Telephone Exchange Co	101	45	.....	1	104	108	108	108	2	5
Ayer Telephone Company	.....	37	.....	1	36	34	30	32	.....	6
Balch & Root	130	106	.....	3	135	135	128	.....	128	10
Batavia Telephone Exchange	38	30	.....	1	39	42	42	42	2	3
Beatrice Electric Company	15	4	.....	1	33	34	34	34	.....	3
Bell Telephone Company of Buffalo	950	1,211	1	10	1,605	1,650	1,550	1,800	1,000	125
Bell Telephone Company of Illinois	1,200	1,000	1	9	1,200	1,350	1,350	1,350	500	235
Bell Telephone Company of Madison	94	80	.....	1	94	94	70	70	.....	3
Bell Telephone Company of Missouri	1,017	785	1	6	981	1,067	1,023	1,109	165	123
Bell Telephone Co. of Philadelphia	1,139	1,442	8	.....	1,608	3,075	3,014	3,000	15	113
Black Hills Telephone Exchange Co	65	40	1	3	70	70	70	70	6	3
Bloomington Telephone Company	175	100	1	1	180	180	180	250	50	5
Boston and Northern Telephone Co	.....	107	1	12	.....	8	8	.....	.....	10
Bradford Telephone Company	85	100	1	2	160	162	162	200	6	7
Brockton Telephone Company	28	50	.....	1	140	161	106	50	200	4
Brookline Telephone Exchange	50	45	.....	1	70	72	72	110	2	6
Burlington District Telephone Co	60	35	.....	1	170	172	117	140	150	.....
Catskill Telegraph and Telephone Co.	32	60	.....	1	42	42	27	31	.....	6
Central District and Print. Telegr. Co.	67	19	.....	2	67	69	69	67	4	2
Central District and Print. Telegr. Co.	808	459	1	4	938	1,350	1,321	1,400	754	105
Central District and Print. Telegr. Co.	242	87	.....	1	261	265	265	261	23	9
Central Massachusetts Teleph. Co	61	200	1	5	169	257	225	.....	.....	20
Central Penn'a Teleph. and Supply Co.	326	463	1	14	718	359	359	350	26	55
Central Telephone Company	140	267	2	8	672	673	673	502	.....	23
City and Suburban Telegr. Association	.....	2,100	1	7	1,600	1,600	1,600	1,600	361	90
Cheshire County Telephone Company	30	40	.....	1	65	70	70	70	.....	5
Chippewa Valley Telegr. and Teleph. Co	101	140	1	2	109	126	124	124	8	9
Cleveland Telephone Company	518	456	.....	1	522	543	538	522	52	31
Clinton and Lyons Bell Teleph. Co	132	207	.....	1	237	237	208	.....	.....	10
Colorado Telephone Company	900	700	1	7	964	964	960	.....	.....	55
Columbia Telephone Exchange	14	25	.....	1	29	30	30	20	1	4
Columbus, Ind., Telephone Exchange	.....	53	1	2	76	84	61	3	58	7
Commercial Telephone Company	900	1,000	1	3	1,05[illegible]	1,486	1,365	1,500	100	99
Concord Telephone Exchange	58	43	.....	1	95	98	96	95	4	5
Connecticut Telephone Company	452	1,500	1	6	1,528	1,600	1,600	550	.....	52
Connersville Bell Telephone Company	45	20	.....	1	45	45	45	.....	45	1
Corry Telephone Exchange	16	8	.....	1	31	32	23	30	.....	3
Council Bluffs Telephone Company	34	18	.....	1	67	70	70	67	7	5
Danbury Telephone Dispatch Co	25	35	.....	1	103	106	66	3	244	7

TABLE C.—TELEPHONES—*Service account:* 1880—Continued.

Name of company.	Number of circuits.	Miles of wire.	Number of central offices.	Number of exchanges included in report.	Number of subscribers' stations.	Number of receiving telephones in use.	Number of battery transmitters in use.	Number of cells—open circuit battery.	Number of cells—closed circuit battery.	Number of persons employed.
Doboy and Union Island Telegr. Co	.....	10	.....	.....	.....	3	.....	.....	.....	.....
Domestic Telegraph and Telephone Co	.....	470	.....	1	422	422	422	.....	.....	51
Dunkirk Telephone Exchange	48	25	.....	1	80	80	80	80	.....	7
Eastern Pennsylvania Teleph. Exch	311	526	1	4	402	410	410	410	8	15
Easton Telephone Exchange	54	20	1	1	58	58	55	51	4	7
East Tennessee Telephone Company	381	185	1	5	422	436	431	.....	.....	29
Elmira Bell Telephone Exchange	75	55	.....	1	165	167	165	200	.....	11
Evansville Telephone Exchange	231	120	1	1	231	240	235	.....	.....	12
Fishkill Telephone Company	25	22	1	1	.....	55	55	16	59	4
Freeport Telephone Exchange Co	56	30	.....	1	56	56	56	56	.....	6
Fulton County Telephone Company	.....	20	1	6	40	46	46	46	.....	5
Galesburg Telephone Exchange	23	10	1	1	23	24	24	24	.....	2
Galion Telephone Exchange	45	12	.....	1	49	51	10	.....	10	3
Glenwood Telephone Exchange Co	20	10	.....	1	20	21	21	30	20	6
Greenville Telephone Exchange	.....	15	.....	1	44	47	46	46	.....	2
Hannibal Telephone Company	62	80	1	1	122	122	122	150	.....	8
Harrisburg Telephonic Exchange	43	45	.....	1	126	126	126	112	14	10
Henderson Telephone Exchange	47	32	.....	1	46	47	47	47	.....	1
Hope Valley Telephone Company	3	9	.....	1	6	6	2	2	.....	2
Hot Springs Telephone Exchange	75	25	.....	1	75	75	75	.....	5	7
Hudson Telegraph and Telephone Co	170	41	.....	1	.....	192	142	.....	142	6
Inter-State Telephone Company	7	400	1	7	.....	6	3	3	.....	6
Ithaca Telephone Exchange	55	30	.....	1	112	114	28	35	.....	5
Janesville Telephone Exchange	46	17	.....	1	51	51	31	.....	3	3
Johnson, L.	63	30	1	4	63	185	.....	.....	.....	14
Joliet Telephone Company	96	85	.....	1	124	127	116	15	.....	6
Lambertville Telephone Exchange	11	5	.....	1	18	18	18	18	.....	5
Lancaster Bell Telephone Exchange	32	18	.....	.....	.....	.....	.....	.....	.....	3
Leadville Telephone Company	276	220	.....	1	276	279	279	280	.....	9
Leavenworth Telephone Exchange Co	.....	175	1	2	175	175	175	175	.....	6
Litchfield Telephone Company	.....	8	.....	1	.....	.....	.....	.....	.....	8
Little Rock Telephone Exchange	152	65	.....	1	188	188	188	322	125	7
Lowell District Telephone Company	600	1,500	1	6	1,600	1,500	1,500	4,000	1,000	52
Louisiana Telephone Company	845	478	1	3	813	829	829	813	16	30
Manchester Telephone Exchange	225	165	.....	1	300	300	300	.....	.....	9
Mansfield Telephone Exchange	38	25	.....	1	50	50	50	48	2	5
Marshalltown Telephone Company	110	42	.....	1	110	115	115	175	23	5
Maryland Telephone Company	350	600	.....	1	850	1,183	1,081	1,100	1,200	82
Mayfield, E. W	83	35	.....	1	85	86	85	86	10	3
Memphis Telephone Exchange	275	120	1	1	310	310	310	.....	320	14
Merchants' Teleph. and Telegr. Co	90	55	1	3	95	98	98	98	.....	12
Metropolitan Teleph. and Telegr. Co	4,130	4,973	1	17	5,102	6,820	6,787	5,300	3,600	544
Middletown Telephone Exchange	.....	80	.....	1	90	90	90	.....	.....	9
Milwaukee Telephone Exchange Co	537	537	.....	1	566	586	566	660	.....	24
Montana Agency	17	25	1	1	.....	34	2	.....	10	.....
Montpelier Telephone Exchange	52	15	.....	1	52	52	16	12	.....	2
Muncie Bell Telephone Company	45	15	.....	1	61	61	61	61	1	7
Narragansett Pier Telegraph Exch	14	15	1	2	30	30	11	15	.....	4
Nashua Telephone Exchange	44	15	.....	1	67	69	66	2	64	3
Nashville Telephone Exchange	56	51	.....	1	124	128	96	96	47	.....

TABLE C.—TELEPHONES—*Service account:* 1880—Continued.

Name of company.	Number of circuits.	Miles of wire.	Number of central offices.	Number of exchanges included in report.	Number of subscribers' stations.	Number of receiving telephones in use.	Number of battery transmitters in use.	Number of cells—open circuit battery.	Number of cells—closed circuit battery.	Number of persons employed.
National Bell Telephone Co. of Maine.	540	230	1	6	845	1,071	1,027	1,052	130	48
National Capital Telephone Company.	190	211	1	1	568	600	600	600	500	56
Neenah Telephone Company	25	10	.....	1	25	25	25	.....	.....	1
Newburg Telephone Company	134	125	.....	1	.....	175	175	202	205	6
New London Telephone Company	50	60	1	2	165	169	165	.....	161	11
New Milford Bell Telephone Company.	9	35	.....	1	45	45	10	150	.....	.....
Northwestern Telephone Exch. Co	657	.....	2	4	1,127	1,127	1,098	.....	.....	40
Ogden Telephone Exchange	40	38	.....	1	93	93	93	93	.....	3
Omaha Electric Company	245	179	.....	1	318	328	328	328	50	12
Owensboro' Telephone Exchange	115	58	.....	1	121	124	124	121	3	6
Pacific Bell Telephone Company	831	565	1	7	1,080	1,093	1,070	2,088	2	53
Park City Telephone Exchange Co	14	12	.....	1	.....	50	50	.....	.....	3
Parmenter & Co	40	11	.....	1	40	40	40	.....	.....	2
Peoria Bell Telephone Exchange	200	100	1	3	200	203	203	200	6	11
Portland Teleph., Telegr. & Elec. Lt. Co.	4	100	.....	1	156	164	.....	.....	38	10
Providence Telephone Company	375	300	1	6	800	825	825	250	500	49
Rome Telephone Exchange	77	60	.....	1	156	156	60	60	.....	5
Rushville Bell Telephone Company	41	23	.....	1	41	41	41	41	.....	.....
Rutland Telephone Exchange	24	20	.....	1	45	45	45	45	100	2
Scranton Bell Telephone Company	100	114	.....	1	240	240	240	250	15	.....
Shelby Telephone Company	2	2	.....	1	5	7	7	7	7	4
Sidney Bell Telephone Company	25	22	.....	1	40	40	40	.....	.....	5
Sioux City Telephone Exchange Co	100	75	.....	1	.....	.....	100	.....	.....	4
Southern Bell Teleph. and Telegr. Co	1,472	740	1	20	1,539	1,699	1,677	1,600	500	126
Southern Mass. Telegr. and Teleph. Co.	320	500	1	3	1,000	1,200	1,100	700	.....	36
Southern New York Bell Teleph. Co	50	35	.....	1	135	138	138	200	.....	10
Southern Ohio Telephone Exch. Co	188	111	1	2	215	215	215	215	18	9
Southern Worcester Telephone Co	18	25	1	1	75	75	68	68	.....	2
Springfield Telephone Company	165	125	1	2	655	700	675	675	625	15
Stamford and Norwalk Telegraph Co.	75	85	1	2	225	225	220	220	4	10
Saint Joseph Telephone Exchange Co.	167	225	1	2	193	198	198	198	.....	7
Saint Johnsbury Telephone Exchange.	20	7	.....	1	31	39	14	14	4	1
Stafford Telephone Company	.....	13	.....	1	28	29	22	1	21	2
Steuben Bell Telephone Company	40	50	1	4	110	120	100	100	.....	15
Telephone Dispatch Company	40	1,250	.....	1	125	125	100	100	200	9
Teleph. and Telegr. Construction Co	1,128	711	1	11	1,405	1,433	1,433	1,433	400	151
Topeka Telephone Company	135	80	.....	1	155	158	158	155	3	6
Union Telephone Exchange	39	25	.....	1	39	39	39	39	.....	6
Vergennes Telephone Exchange	1	2	.....	1	9	9	4	4	.....	.....
Warren Telephone Exchange	32	25	.....	1	65	70	70	70	.....	3
Watertown Telephone Company	87	15	.....	1	105	105	99	99	.....	5
Waterbury Autom. Signal Telegr. Co	52	117	.....	1	200	220	100	125	350	7
Western Telephone Company	2,482	827	17	.....	2,482	2,500	2,500	2,500	200	102
Western Massachusetts Telephone Co.	200	240	5	4	527	527	527	.....	.....	20
Wilkesbarre Telephone Exchange	110	98	.....	1	124	126	126	126	3	10
Wilmington Bell Telephone Exchange.	86	108	.....	1	98	.....	.....	.....	10	5
Winsted Telephone Exchange	17	10	.....	1	80	81	24	50	.....	3
Winter Bros. Telephone Exchange	42	13	1	2	70	72	72	72	.....	3

OCCUPATIONS.

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OCCUPATIONS.

The following list shows the total number of persons reported in the census of 1880 as pursuing gainful avocations, their division into certain classes as to age and sex, and also their distribution among the four great classes of occupations, viz: "Agriculture," "Professional and personal services," "Trade and transportation," and "Manufactures," including the mechanical and mining industries:

Classes.	Persons occupied.	AGE AND SEX.							
		All ages.		10 to 15.		16 to 59.		60 and over.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
All occupations	17,392,099	14,744,942	2,647,157	825,187	293,169	12,986,111	2,283,115	933,644	70,873
Agriculture	7,670,493	7,075,983	594,510	584,867	135,862	5,888,133	435,920	602,983	22,728
Professional and personal services.	4,074,238	2,712,943	1,361,295	127,565	107,830	2,446,962	1,215,189	138,416	38,276
Trade and transportation.	1,810,256	1,750,892	59,364	26,078	2,547	1,672,171	54,849	52,643	1,968
Manufacturing, mechanical and mining.	3,837,112	3,205,124	631,988	86,677	46,930	2,978,845	577,157	139,602	7,901

It appears from the foregoing table that the aggregate number of persons returned as having gainful avocations was 17,392,099, being 34.68 per cent. of the entire population of 1880 and 47.31 per cent. of the population 10 years of age and upward.

In 1870 the total number of persons borne on the lists of occupations was 12,505,923, being 32.43 per cent. of the population of that date and 44.3 per cent. of the population 10 years of age and upward.

It thus appears that the tables of occupations in the present volume embrace a larger share of the total population than those contained in the publications of the last census.

The number of persons 10 years of age and upward was in 1870 28,228,945; in 1880, 36,761,607; an increase of 30.23 per cent. Applying this ratio of increase to the reported occupations of 1870, and by turns to the number in each of the four great classes, we should have results as follows, against which we have set the actual numbers returned in 1880:

Classes.	Occupations, 1870.	Increased by 30.23 per cent.	Actual number returned in 1880.	Excess.	Deficiency.
All occupations	12,505,923	16,286,463	17,392,099	1,105,636	.....
Agriculture	5,922,471	7,712,834	7,670,493	.....	42,341
Professional and personal services	2,684,793	3,496,406	4,074,238	577,832	.....
Trade and transportation	1,191,238	1,551,349	1,810,256	258,907	.....
Manufacturing, mechanical, and mining industries.	2,707,421	3,525,874	3,837,112	311,238	.....

We see thus that if we compare the number of occupations returned in 1870, increased by the rate of increase which took place during the decade in the population over 10 years of age, with the number of occupations actually returned in 1880, we find a deficiency in the agricultural class to the extent of 42,341; an excess in the class rendering professional and personal services of 577,832, in that engaged in trade and transportation of 258,907, and in that engaged in manufactures or mechanical and mining industries of 311,238, making a net excess in all classes of occupations of 1,105,636.

There is reason to believe that the deficiency in the agricultural class and the marked increase in the class rendering professional and personal services is due, in some measure, to the reporting of persons as "laborers" simply who should have been returned as "agricultural laborers". In some parts of the country, where agriculture is in a high degree predominant, there is doubtless a certain tendency to drop the qualifying adjective and speak of "laborers" simply. Wherever it has been within the power of the Census Office to apply a correction to this error it has been done, yet there probably remains a certain amount of fallacious classification resulting from the failure of enumerators duly to characterize this class of persons.

It is also probable that the class of "laborers" embraces considerable numbers of persons who are employed in connection with manufacturing establishments with sufficient regularity to justify their inclusion in the manufacturing class, were the facts known.

If we ask how the relative excess of occupations in 1880 over 1870 is distributed according to sex, we shall find that of the total excess, viz, 1,105,636, as stated, nearly one-quarter is of females, the number of females reported as pursuing gainful occupations having increased from 1870 to 1880 in a higher ratio than the number of males. Thus—

Number of females in gainful occupations in 1870	1,836,288
Increased by the ratio of increase in the female population since 1870, viz, 29.03 per cent	2,369,362
Actual number returned in 1880	2,647,157
Relative excess	277,795

Of this excess about two-thirds appears in the last of the four classes indicated, showing the effect upon the employment of women produced by the extension of the factory system.

If we inquire how the same excess is distributed according to age, we shall find that a disproportionate share falls in the class between 10 and 15 years of age, showing a further effect of the extension of the factory system in the increased employment of young children. Thus—

Number of persons of both sexes between 10 and 15 years of age reported in 1870 as in gainful occupations	739,164
Increased by 18.65 per cent., the ratio of increase in the population of this age from 1870 to 1880	877,018
Actual number reported	1,118,356
Relative excess	241,338

Although the tables of Occupations, as we have seen, embrace a larger share of the population than in 1870, they still omit, as was to be expected, more than half the population of 10 years of age and upward.

The following table makes comparison between the number of inhabitants of either sex in each of the periods of life, taken for the purposes of these tables, and the corresponding number of persons returned as pursuing gainful occupations:

	Aggregate.	TOTAL 10 YEARS AND UPWARD.	
		Male.	Female.
Population (10 years of age and upward)	36, 761, 607	18, 735, 980	18, 025, 627
Number on occupation tables	17, 392, 099	14, 744, 942	2, 647, 157
	19, 369, 508	3, 991, 038	15, 378, 470

	10 TO 15.		16 TO 59.		60 AND OVER.	
	Male.	Female.	Male.	Female.	Male.	Female.
Population (10 years of age and upward).	3, 376, 114	3, 273, 369	13, 907, 444	13, 377, 002	1, 452, 422	1, 375, 256
Number on occupation tables	825, 187	293, 169	12, 986, 111	2, 283, 115	933, 644	70, 873
	2, 550, 927	2, 980, 200	921, 333	11, 093, 887	518, 778	1, 304, 383

It will be seen that the total number of males 10 years and upward unaccounted for in these tables is 3,991,038; of females, 15,378,470.

The number of persons of the two sexes between 10 and 15 years thus unaccounted for, viz, 2,550,927 males and 2,980,200 females, is substantially equal to the number of children attending school who do not, through any considerable portion of the year, pursue any gainful avocation. There is, of course, a residue consisting of invalid children, of vagrants, of inmates of institutions of charity or correction, etc.

Between 16 and 59 the number of males unaccounted for is 921,333. This number is made up chiefly of the following classes: First, those students who are pursuing courses of instruction beyond the age of 16; secondly, those who are afflicted by permanent bodily or mental infirmities, disqualifying them from participating in the industry of the country; third, the members of the criminal and pauper classes. The number of men of this period of life, not disabled, who are not returned as of some occupation by reason of inherited wealth or of having retired from business is hardly important enough in this country to be mentioned. The number of females between 16 and 59 not accounted for in these tables is naturally vastly larger, and amounts to 11,093,887. That body is made up of the three classes just mentioned when speaking of the males of this period of life, and of the far greater classes of women—wives, mothers, or grown daughters, keeping house for their families or living at home without any special avocation.

The explanation of the number of persons 60 years of age and upward returned without occupation is so manifest as not to require to be even alluded to. Of these there are: of males, 518,778; of females, 1,304,383.

These tables embrace only gainful and reputable occupations. They do not seek to account for those persons, in whatever sphere of life, who have no recognized avocation for which they receive compensation in the shape of wages, salary, or profits, or derive products of a merchantable character. All persons, moreover, whose means of livelihood are criminal, or, in the general judgment of mankind, shameful, are excluded.

Comparative increase in occupations and in population, 1870 *to* 1880.

States and territories.	ALL OCCUPATIONS.			Increase in population.
	1880.	1870.	Increase.	
	Number.	*Number.*	*Per ct.*	*Per ct.*
The United States	17, 392, 099	12, 505, 923	39	30
Alabama	492, 790	365, 258	35	27
Arizona	22, 271	6, 030	269	319
Arkansas	260, 692	135, 949	92	66
California	376, 505	238, 648	58	54
Colorado	101, 251	17, 583	476	387
Connecticut	241, 333	193, 421	25	16
Dakota	57, 844	5, 887	883	853
Delaware	54, 580	40, 313	35	17
District of Columbia	66, 624	49, 041	36	35
Florida	91, 536	60, 703	51	44
Georgia	597, 862	444, 678	34	30
Idaho	15, 578	10, 879	43	117
Illinois	999, 780	742, 015	35	21
Indiana	635, 080	459, 369	38	18
Iowa	528, 302	344, 276	53	36
Kansas	322, 285	123, 852	160	173
Kentucky	519, 854	414, 593	25	25
Louisiana	363, 228	256, 452	42	29
Maine	231, 993	208, 225	11	4
Maryland	324, 432	258, 543	25	20
Massachusetts	720, 774	579, 844	24	22
Michigan	569, 204	404, 164	41	38
Minnesota	255, 125	132, 657	92	78
Mississippi	415, 506	318, 850	30	37
Missouri	692, 959	505, 556	37	26
Montana	22, 255	14, 048	58	90
Nebraska	152, 614	43, 837	248	268
Nevada	32, 233	26, 911	20	47
New Hampshire	142, 468	120, 168	19	9
New Jersey	396, 879	296, 036	34	25
New Mexico	40, 822	29, 361	39	30
New York	1, 884, 645	1, 491, 018	26	16
North Carolina	480, 187	351, 299	37	31
Ohio	994, 475	840, 889	18	20
Oregon	67, 343	30, 651	120	92
Pennsylvania	1, 456, 067	1, 020, 544	43	22
Rhode Island	116, 979	88, 574	32	27
South Carolina	392, 102	263, 301	49	41
Tennessee	447, 970	367, 987	22	23
Texas	522, 133	237, 126	120	94
Utah	40, 055	21, 517	86	66
Vermont	118, 584	108, 763	9	1
Virginia	494. 240	412, 665	20	23
Washington	30, 122	9, 760	209	214
West Virginia	176, 199	115, 229	53	40
Wisconsin	417, 455	292, 808	43	25
Wyoming	8, 884	6, 645	34	128

Several things are well worthy of note in the foregoing table:

First. That in certain states and territories the ratio of increase in population is greater, in some cases much greater, than the ratio of increase in gainful occupations reported. This is due to the fact that these communities are losing something of the frontier character and taking on more of the social and domestic character of older communities. Thus we have Arizona gaining 319 per cent. in population and only 269 per cent. in reported occupations; Idaho, 117 against 43; Kansas, 173 against 160; Montana, 90 against 58; Nebraska, 268 against 248; Nevada, 47 against 20; Washington, 214 against 209; Wyoming, 128

against 34. In a word, these figures indicate the growth of homes with women and children, in the place of the lumbering camp or the ranch, occupied by men only, all of whom were workers.

Second. In another group of states and territories, where we must suppose that the same force which has produced the above noted effects is in operation, the rapid incoming of immigrants during the decade, predominately males of adult years, has overpowered this force and caused an increase in the proportion of bread-winners greater than the increase in population. Such are Arkansas, Colorado, Dakota, Iowa, Minnesota, New Mexico, Oregon, Texas, and Utah.

Third. Throughout the country generally we have an increase of occupations reported greater than the increase of population. In part this is probably due to the closer enumeration conducted under the provisions of the act of March 3, 1879, which, by making the districts smaller, secured in a much higher degree than had previously been attained that house-to-house canvass which is essential to a correct census, especially as regards the details of enumeration.

In a still higher degree probably the increase of reported occupations is due to the growth of the factory system, to the minuter organization of industry, and to the resulting differentiation of occupations, allowing women and children to find places where they can be useful and earn a livelihood, both in trade and in manufactures, more readily than was the case ten years ago.

We group as follows the states and territories in their inverse rank, according to the proportion of the total population found in gainful occupations:

	Percentage of occupations to total population.
Utah, West Virginia	28
Tennessee	29
Ohio	31
Arkansas, Illinois, Indiana, Kansas, Kentucky, Missouri, Wisconsin	32
Iowa, Minnesota, Texas, Virginia	33
Florida, Nebraska, New Mexico, North Carolina, Pennsylvania	34
Maryland, Michigan, New Jersey	35
Maine, Vermont	36
Delaware, Mississippi, New York	37
District of Columbia	38
Alabama, Connecticut, Georgia, Louisiana, Oregon, South Carolina	39
Massachusetts, Washington Territory	40
New Hampshire	41
Rhode Island	42
Dakota, Wyoming	43
California	44
Idaho	48
Colorado, Nevada	52
Arizona	55
Montana	57

We note here, first, that in the great prosperous grain-raising states there is a tendency to keep down the proportion of bread-winners (see the states having less than 33 per cent.); second, that the tendency in the cotton-raising states is to a higher percentage of bread-winners, women and children going more largely into the fields; third, that the manufacturing states have also a high percentage, owing to the employment of these classes in shops and factories; and fourth, that the bread-winners reach their largest proportion in the mining and grazing states and territories, owing both to the character of the industries there pursued and also to the small number, relatively, of women and children in those regions.

STATISTICS OF OCCUPATIONS IN CITIES.

The following table exhibits the total number of occupations reported in each of the principal fifty cities of the United States, and the proportion existing between that number and the total number of inhabitants of both sexes and all ages:

City.	Population.	Total in occupation tables.	Percentage.	City.	Population.	Total in occupation tables.	Percentage.
	Number.	*No.*			*Number.*	*No.*	
Albany, N. Y	90, 758	32, 153	35	Lynn, Mass	38, 274	16, 728	44
Allegheny, Pa	78, 682	25, 958	33	Milwaukee, Wis	115, 587	40, 900	35
Atlanta, Ga	37, 409	17, 078	46	Minneapolis, Minn	46, 887	21, 302	45
Baltimore, Md	332, 313	130, 364	39	Nashville, Tenn	43, 350	16, 738	39
Boston, Mass	362, 839	149, 194	41	Newark, N. J	136, 508	49, 066	36
Brooklyn, N. Y	566, 663	209, 065	37	New Haven, Conn	62, 882	24, 155	38
Buffalo, N. Y	155, 134	54, 647	35	New Orleans, La	216, 090	78, 336	36
Cambridge, Mass	52, 669	20, 021	38	New York, N. Y	1, 206, 229	513, 377	43
Camden, N. J	41, 659	15, 085	36	Paterson, N. J	51, 031	22, 570	44
Charleston, S. C	49, 984	20, 325	41	Philadelphia, Pa	847, 170	348, 900	41
Chicago, Ill	503, 185	191, 760	38	Pittsburgh, Pa	156, 389	52, 173	33
Cincinnati, Ohio	255, 139	100, 454	39	Providence, R. I	104, 857	43, 878	42
Cleveland, Ohio	160, 146	56, 919	36	Reading, Pa	43, 278	15, 623	36
Columbus, Ohio	51, 647	18, 737	36	Richmond, Va	63, 600	24, 550	39
Dayton, Ohio	38, 678	14, 184	37	Rochester, N. Y	89, 366	34, 276	38
Denver, Colo	35, 629	15, 737	44	Saint Louis, Mo	350, 518	139, 985	40
Detroit, Mich	116, 340	39, 245	34	Saint Paul, Minn	41, 473	17, 809	43
Fall River, Mass	48, 961	22, 685	46	San Francisco, Cal	233, 959	104, 650	45
Hartford, Conn	42, 015	17, 212	41	Scranton, Pa	45, 850	16, 829	37
Indianapolis, Ind	75, 056	27, 966	37	Syracuse, N. Y	51, 792	20, 409	39
Jersey City, N. J	120, 722	42, 356	35	Toledo, Ohio	50, 137	17, 691	35
Kansas City, Mo	55, 785	25, 081	45	Troy, N. Y	56, 747	23, 745	42
Lawrence, Mass	39, 151	19, 153	49	Washington, D. C	147, 293	57, 262	39
Louisville, Ky	123, 758	45, 244	37	Wilmington, Del	42, 478	19, 281	45
Lowell, Mass	59, 475	29, 781	50	Worcester, Mass	58, 291	22, 535	39

It will be observed that the proportion between the number of persons pursuing gainful occupations and the total population enumerated varies in the several cities in the foregoing list from 33 per cent. as a minimum to 50 per cent. as a maximum, *i. e.*, from one-third to one-half—a much narrower range than we noted in the case of the states.

We group the cities below in their rank in the respect indicated:

	Percentage.
Allegheny, Pittsburgh	33
Detroit	34
Albany, Buffalo, Jersey City, Milwaukee, Toledo	35
Camden, Cleveland, Columbus, Newark, New Orleans, Reading	36
Brooklyn, Dayton, Indianapolis, Louisville, Scranton	37
Cambridge, Chicago, New Haven, Rochester	38
Baltimore, Cincinnati, Nashville, Richmond, Syracuse, Washington, Worcester	39
Saint Louis	40
Boston, Charleston, Hartford, Philadelphia	41
Providence, Troy	42
New York, Saint Paul	43
Denver, Lynn, Paterson	44
Kansas City, Minneapolis, San Francisco, Wilmington	45
Atlanta, Fall River	46
Lawrence	49
Lowell	50

The facts which explain these wide variations in the proportions between the number of persons pursuing gainful occupations and the total population of a city are many. The most important may be grouped under three heads: first, the deviations of the respective populations of these cities to the one side or to the other from the type of a normal population, considered as to age and sex; (*a*) secondly, the character of the prevailing occupations of the several cities, as determining the question whether women and children shall be largely employed or not; thirdly, social causes, affecting the employment of women in avocations of a certain class, or affecting the employment of children under a certain age.

The variation of the population of a city either way from the type may affect the proportion of the inhabitants who shall be employed in gainful occupations, either to diminish or to increase it, according to circumstances. Thus, going to a far western city like Kansas City, Minneapolis, or Denver, we shall find the population composed more largely of males than of females, and containing a larger proportion of adults of the working age than is found in a normal population. This is due to the fact that great numbers of the inhabitants of any one of these cities have recently gone thither to seek their fortunes, leaving the women, the children, and the aged behind in the older communities from which they came. Here a high percentage of actual bread-winners is naturally expected. On the other hand, turning to Lowell, Lawrence, and Fall River, where females and children are largely in excess, we find an even higher percentage of bread-winners. This seems like a contradiction. The explanation is found in the factory industries of these cities, which provide employment for enormous numbers of women, who in a western city would be living at home keeping the house, and of children who, under the same conditions, would be attending school or living at home without gainful occupation.

The influence of the prevailing industries of a city upon the proportion of bread-winners is too familiar to require to be illustrated. The two great iron-making cities of Allegheny and Pittsburgh keep only a bare third of their population at work, because the labor of women and children would be of little account. Cleveland, another great iron-making city, has but 36 per cent. of its population engaged in gainful occupations; but a great center of the textile industries, like Paterson, Fall River, Lawrence, or Lowell, keeps nearly or quite one-half of its men, women, and children at work. Philadelphia, which is both a great weaving city and a center of heavy manufactures, especially of iron, stands in a mean between the two, having 41 per cent. of its population engaged in gainful occupations.

Among the social causes adverted to as affecting the propor-

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a It may be said that this deviation is due to the cause next to be mentioned, viz, the prevailing occupations of the city, and in part this would be true, and in part not. It would be much less true of a city than of a state. Thus, we might suppose the industries of Saint Paul or Minneapolis to remain absolutely the same in character during the next ten years, and yet at the end of that period the proportion of bread-winners would be smaller than now, simply because the city would be ten years older, having, by consequence, a larger proportion of women and children. Again, suppose some factory industry to be introduced into a city which had had none previously, say the manufacture of straw goods or of hosiery; we should doubtless have a speedy effect produced upon the population of the city through the accession of women and children coming to work in the shops, but we should have a much larger effect produced upon the proportion of bread-winners, through the entry into the shops of women and children previously resident. A thousand might come to the shops from outside the city, while three thousand or five might enter the shops from within the city.

tion of bread-winners may be mentioned the school system. In some cities the public schools are much more highly organized, more attractive, and are supported by a stronger public sentiment than in others. In the former class of cases we should look to see the influence of the schools acting in diminution of the number of young persons of either sex engaged in gainful occupations.

REMARKS UPON THE LIST OF OCCUPATIONS AND UPON THE NUMBERS RETURNED UNDER THE SEVERAL TITLES.

THE CLASSIFICATION ADOPTED.—On this point we quote the language of the reports of the census of 1870:

The plan pursued in the compilation of these tables has been to refer every specification of occupation to some grand division of industry; and within each of such grand divisions to constitute as many distinct subdivisions as the nature of the material furnished by the enumerators would allow to be formed with a reasonable approach to completeness, subject, however, to certain conditions which will be presented in the further course of these remarks.

The Superintendent is familiar with the reasons which have induced many European statisticians to abandon the grouping of occupations according to such assumed grand divisions of industry as agriculture, manufactures, trade, etc., and to resort instead to a system of expressing the employments of the people through a large number of minute and precise specifications, susceptible of being combined and recombined successively, according to different ideas or theories of classification; but he is convinced that the conditions and limitations of industrial statistics, at least within the United States, will not allow of such nicety in the treatment of material, and, moreover, that the highest purposes and the largest uses of such statistics require something closely approaching the plan of treatment adopted in the following tables.

It is perhaps not necessary to pursue the subject, but it may be interesting to note two things in this connection.

First. That the subdivision of labor and the organization of industry in the United States really correspond rather to the classification of occupations adopted in these tables than to the nicer distinctions of the foreign statisticians. Indeed, instead of throwing away valuable discriminations, the difficulty is so to treat the returns as reasonably to fill the classes here given. Whoever will consider the almost utter want of apprenticeship in this country, the facility with which pursuits are taken up and abandoned, and the variety, and, indeed, seeming incongruity of the numerous industrial offices that are frequently united in one person, will appreciate the force of this argument. For example, the distinctions in the profession of the law, which are known and recognized decisively in England and on the continent, are not maintained in this country except in a few great cities, and there only in exceptional cases. The same person with us is law-scrivener, collector of debts, prosecutor of claims, counselor, attorney, possibly, also, judge. Again, the organization of domestic service in the United States is so crude that no distinction whatever can be successfully maintained. A census of occupations, in which the attempt should be made to reach anything like European completeness in this matter, would result in the return of tens of thousands of "housekeepers" and hundreds of thousands of "cooks" who were simply "maids of all work", being the single servants of the families in which they were employed. Again, the British distinction between the merchant and the shopkeeper is impossible in

this country. If anything whatever could be predicated of the two classes in this respect, it would be that the smaller dealers cling more pertinaciously to the larger title. Still, again, the British "farmer" is wholly unknown with us. The American farmer is, at least in the vast proportion of instances, the owner of the land he cultivates.

Second. It is not deemed practicable in the United States that the average enumerator shall, in the course of a canvass necessarily hurried, fill a very large number of subdivisions with appropriate entries without much loss and confusion. Of course accuracy of *definition* is of no value if the *content* be inadequate. It may even be doubted whether the enumerators of any country are capable of carrying out thoroughly any body of instructions respecting the returns of occupations which require more than the plain and simple characterization of each main employment in the common phrase of the working people themselves.

The employments reported in the census have been, for the purposes of this publication, brought under four general titles, viz, Agriculture, Manufactures and Mining, Trade and Transportation, Personal and Professional Services, the latter having somewhat of a residual relation to the others, and yet in the main a substantial character, and with limits not hard to define.

The reason for making a common title for Trade and Transportation must be sufficiently evident without explanation.

Mining, which stands in idea between agriculture and manufactures, in that, like agriculture, it obtains the raw material of subsequent industrial processes, while, like manufactures, its agencies and forces are chiefly mechanical, not chemical, has, for convenience mainly, been assigned to the group of Manufactures.

A still stronger consideration of convenience, though with somewhat less clear considerations of propriety, induced the Superintendent to place the fishing industry in the category of Manufactures. The number of persons engaged in the fisheries will always and inevitably be below the fact, for the reasons, first, that this industry is usually pursued for a season only, while, for the remainder of the year, the fisherman follows some other gainful avocation, under which he will preferably be reported; second, that no inconsiderable proportion of the persons actually engaged on the water in this pursuit at the time of the enumeration, having no families to report them, are entirely omitted from the census under the American system; third, that where fisheries are carried on in vessels larger than the ordinary row or sail boat the hands employed are generally known, not as fishermen, but as sailors. The last statement holds true of the vast majority of all persons who are engaged in the whale, cod, and mackerel fisheries. It is true that, according to the theory of a census of occupations taken in the interest of industrial science mainly, vessels so employed should, with all their hands, be excluded from the class of transportation and be returned as engaged in the fisheries; but this distinction is one which it appears hopeless to make. We are compelled, therefore, to accept the result that the great majority of persons engaged in the fisheries are returned as sailors merely. The residue are not worth constituting into a separate grand division of industry, and have, therefore, been carried into the manufacturing class.

THE COMPLETENESS OF THESE TABLES.—Comparison of the numbers reported in the tables of Occupations with the numbers found under corresponding titles in the tables of Manufactures, will discover discrepancies of very important extent which require to be here accounted

for, not only in justification of these tables, but for the additional light which such an investigation throws upon the industrial capacity of the country.

Not only do important discrepancies exist, but they are found to be of two kinds, of diametrically opposite direction. In one class of cases the numbers reported in the tables of Occupations appear to be too large; in the other, too small.

First, however, it needs to be stated just what constitutes a discrepancy. A failure in the numbers reported in the one place and in the other to balance exactly is not a discrepancy; on the contrary, this is to be expected; and if the numbers are found to be in excess in the proper set of tables, and to be in excess to only the proper extent, this furnishes statistical proof of a high character. The tables in which the numbers should thus be *generally* found in excess are the Occupation tables. The reason for the excess being found in these tables and not in the others is, that the schedule of manufactures gives an *average* return of the number of "hands employed", while the statistics of occupations are taken from a count of individuals upon the population schedule, and present, therefore, a *maximum* return, embracing, as they do, artisans of every class out of employment, temporarily disabled, or for some other reason not included in the actual return of any establishment.

The degree to which such excess should extend will depend, within certain limits, upon the nature of the special occupation, as well as upon the general condition of manufacturing industry throughout the country at the time.

First. Those cases where the numbers in the tables of Occupations do not exceed those in the tables of Manufactures, but even fall below them. Instances of this kind are principally confined to the returns of factory operatives.

A portion of these omissions, undoubtedly, may be accounted for by the large number returned under the head of "Mill and factory operatives not specified", as well as by the number of "Employés of manufacturing establishments not specified"; but, in the main, the explanation of the discrepancies is found in the fact that women and children employed in factories are omitted in large numbers.

Thus, omissions may take place either through the failure of the enumerators to ask the questions relating to occupation concerning such persons, assuming that they have no avocation outside their homes, or from the indisposition of the persons themselves or the heads of the families to speak of them as in employment. Especially in the case of children, who are part of the time in school and part of the time in the mill, would the mother or father be likely to give a preference to the former over the latter mode of statement, particularly when, as in tens of thousands of cases the country over, the child comes within the period of life respecting which there is *a legal requirement* of school attendance.

When we come, however, to occupations pursued mainly by adults, and, indeed, almost exclusively by adult males, like the trades of carpenter, blacksmith, mason, or printer, or the professions of lawyer, physician, or clergyman, the force of this cause is no longer felt.

Second. Those instances where the numbers appearing in the tables of Occupations exceed those in the tables of Manufactures by more than the probable or possible difference between a maximum and an average return. Unlike the class first noted, these discrepancies affect mainly the statistics of those occupations which are pursued singly, or by twos

and threes, out of large mills and factories, and even, in a considerable degree, out of shops. Discrepancies of this character in no degree discredit the statistics of occupations. They arise from the fact that the return of "productive industry" is not, as indeed it is not expected to be, a complete return of the mechanical production of the country.

The census attempts the enumeration of mechanical industry only as it is carried on IN SHOPS, and thus fails to embrace that large body of individual labor which is not attached to distinct "establishments of productive industry". Moreover, the census law establishes a minimum (namely, the value of $500 annually), below which the production of shops shall not be returned.

Thus the trades of blacksmith, carpenter, mason, painter, and, in a somewhat smaller degree, of plumber, locksmith, harness-maker, are largely pursued by persons working singly and not occupying for the purpose of their respective trades what would be popularly recognized as "an establishment of productive industry", perhaps having only a chest of tools in some room of the house, and perhaps also engaged in their trades for only one season of the year and producing to less than the value of $500. The census has never obtained a full report of the production of these trades so far as they are pursued out of shops or factories.

Again, in making such comparisons between the tables of Occupations and those of Manufactures great care must be taken to ascertain whether the titles taken for the purpose really correspond. In some cases, where the apparent correspondence is greatest, the quantities are, in fact, not commensurable. An example may be found in the brick and tile manufacture. It would, at first, seem that the "hands employed" should answer to the "brick- and tile-makers" in the tables of Occupations; but, on the contrary, a considerable portion of the hands employed in large brick-yards, not infrequently exceeding indeed the number of craftsmen, are classed and known as common laborers, and are so returned in the census.

In the same way a factory producing fine furniture may report 100 hands employed, but of these only 80 may be cabinet-makers in the usual, and indeed proper, sense of that term, while the others may be simply unskilled laborers, or painters, varnishers, and locksmiths. In a currier's shop not all the hands are necessarily curriers, in the craftsman's sense of that term. All textile factories employ persons who are not "operatives"—yard hands, watchmen, millwrights, or mechanics, and simple laborers, it may be, in considerable numbers.

There are, in addition, certain industries respecting which peculiar difficulties arise, from the distinct nature of the several avocations pursued under one roof in the same establishment. Thus, it might be supposed that the manufacture of "agricultural implements" is sufficiently distinct to secure a reasonably close comparison between the number of "hands employed" and the number of "agricultural implement makers" borne on the tables of Occupations. But this is not so. A large establishment producing agricultural implements is really divided into a number of shops or factories, where perfectly distinct trades are carried on. There is the foundery, where the iron parts of the machine are cast, and the men working herein will report their occupation as that of founderymen. There are carpenters' shops, where the wooden parts are made and shaped by carpenters, who call themselves by this term, and no other. There are also machine shops, paint shops, etc., where the artisans employed know themselves as machinists or mechanics, or as painters and varnishers, and not as makers of agricultural implements. As a result of the peculiarities of this branch of industry, the "hands

employed" in the statistics of Manufactures will exceed many times over the number of persons reporting themselves as "agricultural implement makers". An examination of the schedules from those towns where this industry is pursued will reveal the operation of this cause.

On the other hand, the very success with which specific statements of occupation are, in most cases, obtained serves to deplete some general title so far that the figures, if not interpreted in view of the specific titles, would be simply grotesque. Thus, the census reports but 7,858 "mechanics". As a matter of fact, there are many hundreds of thousands of mechanics in the United States, but all but the small residue mentioned have been reported in connection with individual mechanical trades. The small number of mechanics, therefore, instead of showing a failure of the enumeration in this respect, shows a rather striking degree of success in securing specific descriptions of the avocations of the people.

We have already adverted to the probable inclusion of a considerable number of laborers who are mainly engaged in agriculture among the class performing "personal and professional services" through the failure of the returns to indicate their avocations more precisely. In much the same way doubtless no small number of "messengers", "laborers," "watchmen," and "clerks", who are really employed in those capacities in connection with manufacturing establishments, have been transferred to other classes through the lack of more precise information regarding the field of their work.

INCOMPLETE SUBDIVISION OF EMPLOYMENTS.—In addition to the apparent deficiencies or discrepancies which have been noted, one general remark will suffice in explanation of many of the entries in the tables in respect to the accuracy of which question may naturally arise.

It must be borne in mind that the number of persons who are reported under a certain specified occupation does not necessarily embrace all the persons who perform the duties usually associated with that title, but only those who discharge such duties to the exclusion of other gainful occupations, or, at least, as their principal or sole professed means of support.

The organization of labor and the subdivision of industry vary in respect to completeness and minuteness with each successive community. As communities advance in industrial character functions become separated and distinct occupations become recognized, and this country, from its peculiar conditions, presents almost every degree between the two extremes of industrial development in this particular. It is common to find on the returns from the present territories, and even some of the present states of the Union, such entries as these: "Carpenter and miner," "Blacksmith and carpenter," "Blacksmith and miner," and in many of the communities of the land it is difficult to draw distinctions much finer than those between the agricultural, the mining, the mechanical, and the commercial pursuit or profession. Indeed, even this is not always practicable, since it is matter of notoriety that in many of the states of the Union, and those not among the newest, the occupations of carpenter and farmer, or blacksmith and farmer, or farmer and fisherman, are frequently united in one person. In large and more prosperous communities a clear separation between such occupations takes place; yet the carpenter, for instance, in nine out of ten counties in the United States, performs half a dozen functions which in cities are recognized as belonging to distinct trades.

The same general process occurs in agricultural, commercial, and professional employments. Thus the tables show 112,840 traders and dealers whose branch of trade is not specified.

The want of specifications here is not due to the neglect of enumerators, but to the fact that these persons so characterized are actually selling agricultural implements, books and stationery, boots and shoes, etc., through pretty much the entire line of articles sold by those other dealers whose departments are defined because the communities in which they dwell and deal are sufficiently large to allow of the minute subdivision of trade.

If, therefore, we look at those occupations which emerge as distinct employments only in communities where the organization of industry and the subdivision of labor are carried to a high degree, the number of persons engaged will appear to be impossibly small unless the above considerations are borne carefully in mind.

ANOMALOUS ENTRIES.—Other seeming discrepancies, which demand at least an allusion here, occur where persons are returned as of certain special occupations in states where it is notorious that the industries represented are not carried on; or, again, where persons, not more than one, two, or five in number, are returned in a state under a description which implies a large body of workmen. An adequate explanation of all cases of this general nature is found in the consideration that the census takes account of persons where they are actually residing, and assigns them to their habitual occupation, whether it is being at the time pursued or not.

In the enumeration of hundreds of thousands of persons out of health, or out of employment, traveling, or visiting friends in other states, it is inevitable that such apparent anomalies should arise.

N. B.—Each employment specified in the following tables must be understood in connection with the class or grand division of industry under which it is placed. To many, and indeed most, of the specifications of occupation this warning, in the nature of the case, does not apply.

Others, however, will be misinterpreted without a reference to the more general title. Thus, "clerks and copyists" appear under the head "Personal and professional services". These are clerks to lawyers, clerks to civil engineers, copyists not attached to commercial houses or manufacturing establishments, etc. "Clerks" also appear under the head of "Manufactures and mining", so far as persons are employed in a purely clerical capacity in those branches of industry; while under the title of "Trade and transportation" "clerks" appear several times as "clerks in stores", "clerks in banks," "clerks in railroad offices," etc.

In publishing these tables of the occupations of the people too great credit cannot be awarded to Mr. Edwin B. Smith, of Massachusetts, who has from the first had charge of the compilations relating to occupation, and on whom has rested the responsibility of all the details of classification and arrangement.

It would be difficult to convey an adequate impression of the care and labor involved in this work.

TABLE CI.—OCCUPATIONS—*Number and sex of persons*

States and Territories.	POPULATION, 10 YEARS AND OVER.			ENGAGED IN ALL CLASSES OF OCCUPATIONS.			ENGAGED IN AGRICULTURE.		
	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.
The U. S.	36,761,607	18,735,980	18,025,627	17,392,099	14,744,942	2,647,157	7,670,493	7,075,983	594,510
Alabama	851,780	414,095	437,685	492,790	368,734	124,056	380,630	291,477	89,153
Arizona	32,922	24,267	8,655	22,271	21,800	471	3,435	3,423	12
Arkansas	531,876	278,185	253,691	260,692	230,076	30,616	216,655	195,002	21,653
California	681,062	425,170	255,892	376,505	348,303	28,202	79,396	78,785	611
Colorado	158,220	110,896	47,324	101,251	96,472	4,779	13,539	13,462	77
Connecticut	497,303	242,392	254,911	241,333	192,663	48,670	44,026	43,936	90
Dakota	99,849	64,343	35,506	57,844	54,993	2,851	28,508	28,368	140
Delaware	110,856	56,003	54,853	54,580	46,652	7,928	17,849	17,609	240
Dist. Columbia	136,907	63,429	73,478	66,624	46,966	19,658	1,464	1,445	19
Florida	184,650	93,475	91,175	91,536	73,752	17,784	58,731	47,465	11,266
Georgia	1,043,840	509,830	534,010	597,862	445,530	152,332	432,204	329,856	102,348
Idaho	25,005	17,910	7,095	15,578	15,287	291	3,858	3,847	11
Illinois	2,269,315	1,178,131	1,091,184	999,780	893,679	106,101	436,371	433,796	2,575
Indiana	1,468,095	752,405	715,690	635,080	583,658	51,422	331,240	329,614	1,626
Iowa	1,181,641	623,675	557,966	528,302	483,457	44,845	303,557	302,171	1,386
Kansas	704,297	388,148	316,149	322,285	302,934	19,351	206,080	205,234	846
Kentucky	1,163,498	586,424	577,074	519,854	465,432	54,422	320,571	315,445	5,126
Louisiana	649,070	322,004	327,066	363,228	268,176	95,052	205,306	147,538	57,768
Maine	519,669	258,587	261,082	231,993	198,465	33,528	82,130	81,887	243
Maryland	695,364	341,621	353,743	324,432	265,632	58,800	90,927	89,176	1,751
Massachusetts	1,432,183	681,786	750,397	720,774	546,591	174,183	64,973	64,746	227
Michigan	1,236,686	659,101	577,585	569,204	514,191	55,013	240,319	239,346	973
Minnesota	559,977	307,449	252,528	255,125	230,048	25,077	131,535	130,817	718
Mississippi	753,693	375,561	378,132	415,506	305,089	110,417	339,938	252,324	87,614
Missouri	1,557,631	816,962	740,669	692,959	630,016	62,943	355,297	351,681	3,616
Montana	31,989	24,558	7,431	22,255	21,748	507	4,513	4,504	9
Nebraska	318,271	181,022	137,249	152,614	142,159	10,455	90,507	89,881	626
Nevada	50,666	36,211	14,455	32,233	30,730	1,503	4,180	4,146	34
N. Hampshire	286,188	139,807	146,381	142,468	112,340	30,128	44,490	44,299	191
New Jersey	865,591	426,451	439,140	396,879	330,103	66,776	59,214	58,819	395
New Mexico	87,966	48,266	39,700	40,822	38,560	2,262	14,139	14,025	114
New York	3,981,428	1,950,059	2,031,369	1,884,645	1,524,264	360,381	377,460	375,213	2,247
North Carolina	959,951	465,268	494,683	480,187	393,211	86,976	360,937	314,228	46,709
Ohio	2,399,367	1,209,435	1,189,932	994,475	881,836	112,639	397,495	396,120	1,375
Oregon	130,565	81,031	49,534	67,343	64,564	2,779	27,091	27,000	91
Pennsylvania	3,203,215	1,591,056	1,612,159	1,456,067	1,239,084	216,983	301,112	299,809	1,303
Rhode Island	220,461	104,986	115,475	116,979	87,120	29,859	10,945	10,910	35
South Carolina	667,456	324,364	343,092	392,102	272,015	120,087	294,602	208,672	85,930
Tennessee	1,062,130	524,559	537,571	447,970	391,562	56,408	294,153	275,620	18,533
Texas	1,064,196	568,928	495,268	522,133	463,190	58,943	359,317	330,125	29,192
Utah	97,194	50,580	46,614	40,055	37,168	2,887	14,550	14,470	80
Vermont	264,052	132,036	132,016	118,584	102,417	16,167	55,251	55,037	214
Virginia	1,059,034	516,395	542,639	494,240	411,043	83,197	254,099	238,951	15,148
Washington	55,720	36,085	19,635	30,122	29,059	1,063	12,781	12,709	72
West Virginia	428,587	217,650	210,937	176,199	164,691	11,508	107,578	106,980	598
Wisconsin	965,712	503,434	462,278	417,455	371,062	46,393	195,901	194,380	1,521
Wyoming	16,479	11,950	4,529	8,884	8,420	464	1,639	1,635	4

engaged in each class, by states and territories: 1880.

ENGAGED IN PROFESSIONAL AND PERSONAL SERVICES.			ENGAGED IN TRADE AND TRANSPORTATION.			ENGAGED IN MANUFACTURES AND MECHANICAL AND MINING INDUSTRIES.		
Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.
4,074,238	2,712,943	1,361,295	1,810,256	1,750,892	59,364	3,837,112	3,205,124	631,988
72,211	41,187	31,024	16,953	16,609	344	22,996	19,461	3,535
8,210	7,870	340	3,252	3,235	17	7,374	7,272	102
23,466	15,284	8,182	9,233	9,158	75	11,338	10,632	706
121,435	103,207	18,228	57,392	56,621	771	118,282	109,690	8,592
24,813	21,233	3,580	15,491	15,338	153	47,408	46,439	969
51,296	30,647	20,649	29,920	28,888	1,032	116,091	89,192	26,899
14,016	11,655	2,361	6,219	6,180	39	9,101	8,790	311
17,616	12,055	5,561	4,967	4,704	263	14,148	12,284	1,864
39,975	23,664	16,311	9,848	9,176	672	15,337	12,681	2,656
17,923	12,098	5,825	6,446	6,386	60	8,436	7,803	633
104,269	62,027	42,242	25,222	24,693	529	36,167	28,954	7,213
3,861	3,651	210	1,327	1,321	6	6,532	6,468	64
229,467	157,084	72,383	128,372	125,328	3,044	205,570	177,471	28,099
137,281	100,056	37,225	56,432	55,292	1,140	110,127	98,696	11,431
103,932	69,575	34,357	50,872	50,212	660	69,941	61,499	8,442
53,507	38,289	15,218	26,379	26,119	260	36,319	33,292	3,027
104,239	63,438	40,801	33,563	32,761	802	61,481	53,788	7,693
98,111	66,138	31,973	29,130	28,041	1,089	30,681	26,459	4,222
47,411	31,604	15,807	29,790	29,090	700	72,662	55,884	16,778
98,934	59,057	39,877	49,234	46,785	2,449	85,337	70,614	14,723
170,160	100,445	69,715	115,376	109,154	6,222	370,265	272,246	98,019
143,249	103,244	40,005	54,723	53,317	1,406	130,913	118,284	12,629
59,452	39,741	19,711	24,349	23,979	370	39,789	35,511	4,278
49,448	28,563	20,885	12,975	12,849	126	13,145	11,353	1,792
148,588	102,403	46,185	79,300	77,721	1,579	109,774	98,211	11,563
6,954	6,539	415	2,766	2,759	7	8,022	7,946	76
28,746	20,766	7,980	15,106	14,983	123	18,255	16,529	1,726
10,373	9,275	1,098	4,449	4,431	18	13,231	12,878	353
28,206	16,158	12,048	11,735	11,208	527	58,037	40,675	17,362
110,722	75,763	34,959	66,382	63,874	2,508	160,561	131,647	28,914
19,042	17,241	1,801	3,264	3,252	12	4,377	4,042	335
537,897	332,068	205,829	339,419	324,304	15,115	629,869	492,679	137,190
69,321	34,774	34,547	15,966	15,793	173	33,963	28,416	5,547
250,371	173,909	76,462	104,315	101,445	2,870	242,294	210,362	31,932
16,645	14,688	1,957	6,149	6,106	43	17,458	16,770	688
446,713	318,194	128,519	179,965	169,664	10,301	528,277	451,417	76,860
24,657	15,497	9,160	15,217	14,641	576	66,160	46,072	20,088
64,246	34,309	29,937	13,556	13,147	409	19,698	15,887	3,811
94,107	60,304	33,803	23,628	23,196	432	36,082	32,442	3,640
97,561	70,178	27,383	34,909	34,649	260	30,346	28,238	2,108
11,144	9,271	1,873	4,149	4,026	123	10,212	9,401	811
28,174	16,022	12,152	8,945	8,772	173	26,214	22,586	3,628
146,664	87,681	58,983	30,418	29,804	614	63,059	54,607	8,452
6,640	5,829	811	3,405	3,389	16	7,296	7,132	164
31,680	22,361	9,319	10,653	10,510	143	26,288	24,840	1,448
97,494	64,259	33,235	37,550	36,454	1,096	86,510	75,969	10,541
4,011	3,642	369	1,545	1,528	17	1,689	1,615	74

TABLE CII.—OCCUPATIONS—*Persons engaged in all classes of*

	States and Territories.	Persons occupied.	AGE AND SEX.					
			All ages.		10 to 15.		16 to 59.	
			Male.	Female.	Male.	Female.	Male.	Female.
	The United States	17,392,099	14,744,942	2,647,157	825,187	293,169	12,986,111	2,283,115
1	Alabama	492,790	368,734	124,056	64,918	25,490	275,222	94,058
2	Arizona	22,271	21,800	471	205	20	21,362	442
3	Arkansas	260,692	230,076	30,616	28,300	7,416	191,612	22,254
4	California	376,505	348,303	28,202	3,430	1,043	331,801	26,592
5	Colorado	101,251	96,472	4,779	815	171	94,080	4,563
6	Connecticut	241,333	192,663	48,670	5,803	4,010	170,897	43,678
7	Dakota	57,844	54,993	2,851	714	179	53,001	2,632
8	Delaware	54,580	46,652	7,928	2,704	840	40,539	6,754
9	Dist. of Columbia	66,624	46,966	19,658	617	594	44,084	18,518
10	Florida	91,536	73,752	17,784	6,532	3,312	62,193	13,688
11	Georgia	597,862	445,530	152,332	65,329	31,704	350,298	115,485
12	Idaho	15,578	15,287	291	101	17	14,876	269
13	Illinois	999,780	893,679	106,101	37,100	7,096	813,162	97,650
14	Indiana	635,080	583,658	51,422	32,628	3,550	517,055	46,972
15	Iowa	528,302	483,457	44,845	17,832	2,462	439,119	41,790
16	Kansas	322,285	302,934	19,351	13,225	1,222	277,935	17,789
17	Kentucky	519,854	465,432	54,422	36,643	5,387	401,297	47,045
18	Louisiana	363,228	268,176	95,052	24,682	20,041	220,890	70,333
19	Maine	231,993	198,465	33,528	4,087	1,647	171,395	31,192
20	Maryland	324,432	265,632	58,800	11,121	4,706	238,180	51,941
21	Massachusetts	720,774	546,591	174,183	12,306	9,062	494,878	162,199
22	Michigan	569,204	514,191	55,013	11,610	3,479	470,903	50,725
23	Minnesota	255,125	230,048	25,077	4,961	1,504	213,678	23,301
24	Mississippi	415,506	305,089	110,417	32,330	17,562	252,112	89,040
25	Missouri	692,959	630,016	62,943	31,662	4,763	567,953	56,654
26	Montana	22,255	21,748	507	100	25	21,375	477
27	Nebraska	152,614	142,159	10,455	3,816	730	133,420	9,573
28	Nevada	32,233	30,730	1,503	109	42	30,129	1,431
29	New Hampshire	142,468	112,340	30,128	2,593	1,709	96,485	27,820
30	New Jersey	396,879	330,103	66,776	9,957	4,338	300,656	60,992
31	New Mexico	40,822	38,560	2,262	1,945	252	34,621	1,911
32	New York	1,884,645	1,524,264	360,381	38,534	22,162	1,382,481	331,497
33	North Carolina	480,187	393,211	86,976	55,623	18,979	305,495	64,264
34	Ohio	994,475	881,836	112,639	31,282	7,251	786,815	103,281
35	Oregon	67,343	64,564	2,779	966	103	60,865	2,625
36	Pennsylvania	1,456,067	1,239,084	216,983	53,895	18,546	1,108,079	193,816
37	Rhode Island	116,979	87,120	29,859	3,604	2,804	78,039	26,529
38	South Carolina	392,102	272,015	120,087	31,765	20,113	218,698	94,658
39	Tennessee	447,970	391,562	56,408	44,292	10,056	320,814	44,071
40	Texas	522,133	463,190	58,943	36,934	10,790	404,959	46,453
41	Utah	40,055	37,168	2,887	2,292	311	33,554	2,416
42	Vermont	118,584	102,417	16,167	2,598	1,054	87,386	14,649
43	Virginia	494,240	411,043	83,197	34,741	11,858	341,673	67,596
44	Washington	30,122	29,059	1,063	337	54	27,875	990
45	West Virginia	176,199	164,691	11,508	9,842	1,242	143,437	9,903
46	Wisconsin	417,455	371,062	46,393	10,240	3,448	332,471	42,165
47	Wyoming	8,884	8,420	464	67	25	8,262	434
	Population (10 years and over).	36,761,607	18,735,980	18,025,627	3,376,114	3,273,369	13,907,444	13,377,002

occupation, by states and territories, with age, sex, and nativity: 1880.

AGE AND SEX—cont'd.		NATIVITY.							
60 and over.		United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
Male.	Female.								
933, 644	70, 873	13, 897, 452	978, 854	1, 033, 190	466, 505	205, 525	351, 103	459, 470	
28, 594	4, 508	487, 376	1, 190	1, 691	622	96	92	1, 723	1
233	9	11, 641	1, 156	999	867	120	403	7, 085	2
10, 164	946	254, 142	1, 350	1, 785	676	153	250	2, 336	3
13, 072	567	175, 406	35, 939	27, 430	20, 094	4, 743	11, 441	101, 452	4
1, 577	45	72, 127	6, 206	4, 805	7, 739	1, 877	3, 941	4, 556	5
15, 963	982	171, 798	37, 697	8, 327	10, 366	1, 468	8, 746	2, 931	6
1, 278	40	30, 264	2, 883	4, 710	2, 618	9, 262	4, 859	3, 248	7
3, 409	334	49, 470	3, 188	660	912	47	77	226	8
2, 265	546	58, 664	3, 615	2, 456	980	44	152	713	9
5, 027	784	86, 410	329	459	532	186	215	3, 405	10
29, 903	5, 143	592, 956	1, 770	1, 581	729	137	134	555	11
310	5	8, 168	768	602	1, 441	376	392	3, 831	12
43, 417	1, 355	702, 599	60, 901	122, 636	39, 734	32, 222	14, 560	27, 128	13
33, 975	900	566, 774	12, 421	38, 746	7, 193	1, 728	2, 146	6, 072	14
26, 506	593	397, 531	22, 970	49, 087	16, 850	20, 242	8, 438	13, 184	15
11, 774	340	268, 846	8, 023	15, 863	10, 365	6, 256	4, 889	8, 043	16
27, 492	1, 990	491, 361	8, 280	14, 444	2, 423	71	489	2, 786	17
22, 604	4, 678	334, 840	6, 652	8, 847	1, 814	260	434	10, 381	18
22, 983	689	204, 987	5, 993	369	3, 714	519	15, 551	860	19
16, 331	2, 153	282, 954	11, 297	23, 067	3, 945	212	471	2, 486	20
39, 407	2, 922	478, 368	122, 604	9, 637	34, 449	3, 471	63, 441	8, 804	21
31, 678	809	373, 376	22, 480	47, 621	29, 700	8, 172	70, 912	16, 943	22
11, 409	272	118, 509	14, 366	36, 236	7, 524	52, 356	14, 427	11, 707	23
20, 647	3, 815	410, 798	1, 358	1, 410	619	194	158	969	24
30, 401	1, 526	580, 133	27, 487	56, 810	10, 879	2, 041	4, 213	11, 396	25
273	5	13, 400	1, 942	1, 262	1, 303	382	1, 744	2, 222	26
4, 923	152	104, 900	5, 742	17, 212	5, 785	6, 296	3, 567	9, 112	27
492	30	13, 764	2, 688	1, 623	3, 484	377	2, 317	7, 980	28
13, 262	599	117, 547	6, 544	455	2, 495	153	14, 979	295	29
19, 490	1, 446	283, 613	47, 563	34, 612	18, 986	1, 249	1, 607	9, 189	30
1, 994	99	36, 373	612	569	360	53	216	2, 639	31
103, 249	6, 722	1, 240, 850	266, 744	192, 932	76, 471	8, 434	40, 272	58, 942	32
32, 093	3, 733	477, 836	591	461	427	23	94	755	33
63, 739	2, 107	806, 730	36, 996	92, 885	30, 273	1, 005	7, 297	19, 289	34
2, 733	51	44, 788	2, 393	3, 146	2, 688	1, 178	1, 499	11, 651	35
77, 110	4, 621	1, 162, 426	123, 428	86, 523	55, 262	4, 756	5, 363	18, 309	36
5, 477	526	75, 404	19, 107	1, 116	8, 913	587	10, 496	1, 356	37
21, 552	5, 316	388, 487	1, 186	1, 428	437	38	55	471	38
26, 456	2, 281	438, 738	2, 899	1, 980	1, 282	1, 039	192	1, 840	39
21, 297	1, 700	464, 371	5, 503	18, 448	4, 332	1, 228	1, 308	26, 943	40
1, 322	160	20, 903	515	544	11, 915	2, 137	857	3, 184	41
12, 433	464	99, 121	5, 577	231	1, 895	49	11, 474	237	42
34, 629	3, 743	487, 986	2, 067	1, 839	1, 471	37	176	664	43
847	19	18, 694	1, 578	1, 534	1, 705	838	1, 476	4, 297	44
11, 412	363	167, 821	2, 915	3, 376	1, 349	10	155	573	45
28, 351	780	218, 716	20, 611	90, 214	18, 082	29, 221	14, 785	25, 826	46
91	5	5, 486	730	522	805	182	283	876	47
1, 452, 422	1, 375, 256	30, 270, 306	1, 802, 200	1, 911, 200	891, 630	365, 460	696, 860	823. 951	

TABLE CII.—OCCUPATIONS—*Persons engaged in agriculture,*

	States and Territories.	Persons occupied.	AGE AND SEX.					
			All ages.		10 to 15.		16 to 59.	
			Male.	Female.	Male.	Female.	Male.	Female.
	The United States	7,670,493	7,075,983	594,510	584,867	135,862	5,888,133	435,920
1	Alabama	380,630	291,477	89,153	53,854	20,608	213,143	65,996
2	Arizona	3,435	3,423	12	89	.....	3,257	7
3	Arkansas	216,655	195,002	21,653	26,118	6,138	160,546	14,951
4	California	79,396	78,785	611	1,128	30	72,762	518
5	Colorado	13,539	13,462	77	335	6	12,569	66
6	Connecticut	44,026	43,936	90	1,214	3	34,632	62
7	Dakota	28,508	28,368	140	570	12	26,786	111
8	Delaware	17,849	17,609	240	1,634	36	14,308	160
9	District of Columbia	1,464	1,445	19	11	.....	1,312	15
10	Florida	58,731	47,465	11,266	5,649	2,680	38,108	8,121
11	Georgia	432,204	329,856	102,348	56,695	25,908	248,513	73,484
12	Idaho	3,858	3,847	11	50	.....	3,667	9
13	Illinois	436,371	433,796	2,575	27,998	310	378,360	1,953
14	Indiana	331,240	329,614	1,626	25,413	253	280,370	1,141
15	Iowa	303,557	302,171	1,386	15,210	169	267,172	1,029
16	Kansas	206,080	205,234	846	11,781	83	184,294	648
17	Kentucky	320,571	315,445	5,126	30,141	885	263,684	3,729
18	Louisiana	205,306	147,538	57,768	20,045	16,416	110,917	39,356
19	Maine	82,130	81,887	243	1,968	10	64,473	180
20	Maryland	90,927	89,176	1,751	5,510	256	75,245	1,323
21	Massachusetts	64,973	64,746	227	1,229	10	50,163	168
22	Michigan	240,319	239,346	973	7,185	76	210,264	750
23	Minnesota	131,535	130,817	718	3,669	48	118,254	593
24	Mississippi	339,938	252,324	87,614	29,300	15,449	204,993	69,655
25	Missouri	355,297	351,681	3,616	24,043	255	305,431	2,896
26	Montana	4,513	4,504	9	51	2	4,356	7
27	Nebraska	90,507	89,881	626	3,233	81	82,658	485
28	Nevada	4,180	4,146	34	37	1	3,960	31
29	New Hampshire	44,490	44,299	191	1,012	4	34,187	148
30	New Jersey	59,214	58,819	395	1,878	6	49,539	310
31	New Mexico	14,139	14,025	114	926	9	12,135	83
32	New York	377,460	375,213	2,247	9,027	78	314,145	1,676
33	North Carolina	360,937	314,228	46,709	47,329	12,227	239,690	32,720
34	Ohio	397,495	396,120	1,375	17,729	90	338,313	1,076
35	Oregon	27,091	27,000	91	637	5	24,530	83
36	Pennsylvania	301,112	299,809	1,303	16,041	105	249,391	968
37	Rhode Island	10,945	10,910	35	192	1	8,789	22
38	South Carolina	294,602	208,672	85,930	27,453	16,602	162,992	65,872
39	Tennessee	294,153	275,620	18,533	36,338	5,728	218,316	11,952
40	Texas	359,317	330,125	29,192	31,592	7,485	281,519	20,958
41	Utah	14,550	14,470	80	1,351	17	12,617	58
42	Vermont	55,251	55,037	214	1,670	10	44,356	160
43	Virginia	254,099	238,951	15,148	22,601	3,370	192,101	10,895
44	Washington	12,781	12,709	72	225	5	11,933	63
45	West Virginia	107,578	106,980	598	7,944	195	90,343	329
46	Wisconsin	195,901	194,380	1,521	6,743	200	167,464	1,099
47	Wyoming	1,639	1,635	4	19	.....	1,576	4

by states and territories, with age, sex, and nativity: 1880—Continued.

AGE AND SEX—cont'd.		NATIVITY.							
60 and over.		United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
Male.	Female.								
602, 983	22, 728	6, 857, 664	140, 307	293, 722	104, 314	91, 836	73, 435	109, 215	
24, 480	2, 549	379, 780	170	447	75	10	11	137	1
77	5	2, 339	59	69	82	14	58	814	2
8, 338	564	214, 002	242	593	215	45	74	1, 484	3
4, 895	63	48, 662	5, 220	4, 231	3, 465	738	2, 291	14, 789	4
558	5	10, 963	288	584	660	160	304	580	5
8, 090	25	37, 737	3, 908	859	773	217	264	268	6
1, 012	17	12, 531	1, 025	2, 743	1, 129	6, 525	2, 518	2, 037	7
1, 667	44	17, 321	288	65	132	6	19	18	8
122	4	1, 163	100	126	58	1	3	13	9
3, 708	465	57, 813	51	94	150	73	49	501	10
24, 648	2, 956	431, 643	150	178	92	60	9	72	11
130	2	2, 711	102	105	512	108	60	260	12
27, 438	312	347, 727	15, 191	42, 356	12, 360	8, 776	3, 342	6, 619	13
23, 831	232	306, 868	2, 971	15, 539	1, 906	804	639	2, 513	14
19, 789	188	228, 819	12, 586	29, 073	9, 295	11, 986	4, 340	7, 458	15
9, 159	115	172, 013	4, 393	10, 380	6, 212	4, 217	3, 034	5, 831	16
21, 620	512	315, 656	1, 366	2, 173	297	18	36	1, 025	17
16, 576	1, 996	201, 930	285	547	168	25	49	2, 302	18
15, 446	53	77, 743	760	39	336	206	2, 966	80	19
8, 421	172	86, 641	1, 577	2, 130	390	14	33	142	20
13, 354	49	54, 090	6, 491	429	1, 237	165	2, 200	361	21
21, 897	147	174, 239	7, 711	18, 735	11, 414	1, 224	22, 120	4, 876	22
8, 894	77	53, 693	7, 990	21, 749	3, 941	31, 336	6, 102	6, 724	23
18, 031	2, 510	338, 808	440	240	195	39	53	163	24
22, 207	465	327, 116	3, 854	16, 616	2, 927	666	1, 080	3, 038	25
97	.....	3, 214	296	199	264	60	340	140	26
3, 990	60	60, 728	2, 886	11, 459	3, 433	4, 142	2, 030	5, 829	27
149	2	2, 474	150	218	232	63	260	783	28
9, 100	39	42, 551	550	55	254	13	1, 030	37	29
7, 402	79	51, 572	2, 855	2, 841	1, 118	101	64	663	30
964	22	13, 242	50	69	60	2	27	689	31
52, 041	493	312, 607	24, 046	17, 800	12, 197	739	6, 171	3, 900	32
27, 209	1, 762	360, 230	331	38	158	4	52	124	33
40, 078	209	356, 312	5, 621	23, 733	6, 162	170	859	4, 638	34
1, 833	3	23, 085	644	1, 023	895	197	518	729	35
34, 377	230	278, 745	7, 728	9, 086	3, 092	608	357	1, 496	36
1, 929	12	9, 483	693	54	253	64	197	201	37
18, 227	3, 456	294, 069	185	181	81	4	11	71	38
20, 966	853	291, 417	429	348	215	897	40	807	39
17, 014	749	333, 325	996	10, 453	1, 469	455	460	12, 159	40
502	5	8, 469	75	84	4, 459	723	168	572	41
9, 011	44	49, 198	1, 905	35	609	6	3, 457	41	42
24, 249	883	252, 588	412	401	527	3	55	113	43
551	4	9, 613	622	631	609	344	498	464	44
8, 693	74	105, 700	631	750	210	2	17	268	45
20, 173	222	95, 815	11, 915	44, 079	9, 856	15, 782	5, 118	13, 336	46
40	.....	1, 219	69	85	140	24	52	50	47

TABLE CII.—OCCUPATIONS—*Persons engaged in professional and persona*

	States and Territories.	Persons occupied.	AGE AND SEX.					
			All ages.		10 to 15.		16 to 59.	
			Male.	Female.	Male.	Female.	Male.	Female.
	The United States.	4,074,238	2,712,943	1,361,295	127,565	107,830	2,446,962	1,215,189
1	Alabama	72,211	41,187	31,024	9,913	4,477	29,261	24,688
2	Arizona	8,210	7,870	340	102	17	7,708	319
3	Arkansas	23,466	15,284	8,182	1,963	1,238	12,192	6,597
4	California	121,435	103,207	18,228	1,252	793	98,833	17,036
5	Colorado	24,813	21,233	3,580	240	155	20,642	3,392
6	Connecticut	51,296	30,647	20,649	443	854	27,726	19,076
7	Dakota	14,016	11,655	2,361	107	164	11,423	2,175
8	Delaware	17,616	12,055	5,561	610	629	10,579	4,686
9	Dist. of Columbia	39,975	23,664	16,311	288	544	22,006	15,283
10	Florida	17,923	12,098	5,825	603	582	10,801	4,951
11	Georgia	104,269	62,027	42,242	7,298	5,123	51,813	35,061
12	Idaho	3,861	3,651	210	33	17	3,559	190
13	Illinois	229,467	157,084	72,383	4,310	5,050	145,587	66,569
14	Indiana	137,281	100,056	37,225	4,717	2,954	91,133	33,818
15	Iowa	103,932	69,575	34,357	1,667	2,197	65,014	31,879
16	Kansas	53,507	38,289	15,218	996	1,112	36,065	13,929
17	Kentucky	104,239	63,438	40,801	4,649	4,069	56,407	35,399
18	Louisiana	98,111	66,138	31,973	3,637	3,450	59,654	26,084
19	Maine	47,411	31,604	15,807	620	580	28,287	14,821
20	Maryland	98,934	59,057	39,877	2,893	3,358	53,259	34,999
21	Massachusetts	170,160	100,445	69,715	1,293	1,605	90,627	66,169
22	Michigan	143,249	103,244	40,005	2,160	2,914	97,020	36,668
23	Minnesota	59,452	39,741	19,711	775	1,353	37,801	18,201
24	Mississippi	49,448	28,563	20,885	2,688	1,990	24,372	17,628
25	Missouri	148,588	102,403	46,185	4,302	3,755	94,352	41,568
26	Montana	6,954	6,539	415	40	22	6,448	388
27	Nebraska	28,746	20,766	7,980	404	634	19,964	7,274
28	Nevada	10,373	9,275	1,098	53	38	9,085	1,038
29	New Hampshire	28,206	16,158	12,048	253	345	14,458	11,346
30	New Jersey	110,722	75,763	34,959	1,988	823	69,131	33,145
31	New Mexico	19,042	17,241	1,801	971	208	15,376	1,527
32	New York	537,897	332,068	205,829	8,932	10,254	303,176	191,249
33	North Carolina	69,321	34,774	34,547	6,757	5,962	25,997	26,845
34	Ohio	250,371	173,909	76,462	5,662	5,220	159,325	69,962
35	Oregon	16,645	14,688	1,957	182	93	14,117	1,826
36	Pennsylvania	446,713	318,194	128,519	15,110	11,569	284,711	113,947
37	Rhode Island	24,657	15,497	9,160	241	212	14,166	8,586
38	South Carolina	64,246	34,309	29,937	3,704	3,220	28,945	25,024
39	Tennessee	94,107	60,304	33,803	6,950	4,125	50,441	28,375
40	Texas	97,561	70,178	27,383	4,612	3,264	62,976	23,215
41	Utah	11,144	9,271	1,873	697	247	8,314	1,550
42	Vermont	28,174	16,022	12,152	406	875	14,180	10,961
43	Virginia	146,664	87,681	58,983	9,997	7,898	72,024	48,513
44	Washington	6,640	5,829	811	59	47	5,649	752
45	West Virginia	31,680	22,361	9,319	1,249	1,006	19,908	8,069
46	Wisconsin	97,494	64,259	33,235	1,706	2,763	58,866	30,072
47	Wyoming	4,011	3,642	369	33	25	3,584	339

services, by states and territories, with age, sex, and nativity: 1880—Continued.

AGE AND SEX—cont'd.		NATIVITY.							
60 and over.		United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
Male.	Female.								
138,416	38,276	3,076,768	415,854	218,867	79,963	52,860	90,614	139,312	
2,013	1,859	71,100	340	188	113	29	17	424	1
60	4	3,440	465	332	199	26	92	3,656	2
1,129	347	22,043	559	265	152	40	61	346	3
3,122	399	50,993	15,041	6,389	4,360	1,301	2,453	40,898	4
351	33	18,012	1,829	1,030	1,075	526	849	1,492	5
2,478	719	32,095	14,335	1,380	1,306	424	1,054	702	6
125	22	8,273	982	1,022	547	1,599	947	646	7
866	246	15,282	1,838	159	230	15	18	74	8
1,370	484	36,178	2,157	745	454	17	83	341	9
694	292	16,945	110	68	106	31	58	605	10
2,916	2,058	103,004	640	263	157	27	35	143	11
59	3	2,231	198	158	336	104	91	743	12
7,187	764	152,935	23,054	27,076	6,604	9,601	3,296	6,901	13
4,206	453	122,324	4,910	6,910	1,194	377	496	1,070	14
2,894	281	79,085	5,453	7,886	2,260	4,845	1,714	2,689	15
1,228	177	46,386	1,466	1,822	1,321	916	637	959	16
2,382	1,333	97,087	3,393	2,752	372	17	115	503	17
2,847	2,439	88,522	3,574	2,495	558	84	145	2,733	18
2,697	406	39,949	2,627	46	656	97	3,779	257	19
2,905	1,520	87,203	5,012	5,009	756	53	113	788	20
8,525	1,941	93,160	52,684	1,763	5,304	1,061	13,605	2,583	21
4,064	423	87,677	7,059	10,998	5,850	3,217	23,600	4,848	22
1,165	157	29,635	3,496	6,300	1,138	12,863	3,585	2,435	23
1,503	1,267	48,562	357	175	98	37	24	195	24
3,749	862	118,760	12,274	11,483	1,922	555	861	2,733	25
51	5	4,231	649	474	280	92	515	713	26
398	72	20,376	1,393	2,601	867	1,089	605	1,815	27
137	22	4,089	625	404	585	106	731	3,833	28
1,447	357	22,382	2,220	67	369	65	3,019	84	29
4,644	991	72,337	24,232	7,418	3,257	500	384	2,594	30
894	66	17,396	198	133	80	11	55	1,169	31
19,960	4,326	317,201	128,527	42,844	16,844	2,899	13,359	16,223	32
2,020	1,740	68,941	95	67	50	3	10	155	33
8,922	1,280	200,364	17,217	20,678	5,261	313	2,128	4,410	34
389	38	9,627	827	640	510	246	335	4,460	35
18,373	3,003	351,332	56,410	23,532	6,189	1,534	1,746	5,970	36
1,090	362	13,669	7,582	206	936	217	1,613	434	37
1,660	1,693	63,429	413	210	88	15	14	77	38
2,913	1,303	92,331	991	292	173	34	29	257	39
2,590	904	82,160	1,814	2,478	958	369	279	9,503	40
260	76	6,024	221	186	2,675	635	83	1,320	41
1,436	316	22,629	1,642	39	284	17	3,486	77	42
5,660	2,572	145,267	686	269	242	8	36	156	43
121	12	3,737	491	358	315	141	312	1,286	44
1,204	244	29,869	851	667	153	1	40	99	45
3,687	400	56,145	4,490	18,327	2,515	6,634	3,999	5,334	46
25	5	2,351	427	263	264	69	108	529	47

TABLE CII.—OCCUPATIONS—*Persons engaged in trade and transportation,*

	States and Territories.	Persons occupied.	AGE AND SEX.					
			All ages.		10 to 15.		16 to 59.	
			Male.	Female.	Male.	Female.	Male.	Female.
	The United States	1,810,256	1,750,892	59,364	26,078	2,547	1,672,171	54,849
1	Alabama	16,953	16,609	344	378	11	15,592	307
2	Arizona	3,252	3,235	17	5	.....	3,209	17
3	Arkansas	9,233	9,158	75	81	1	8,881	67
4	California	57,392	56,621	771	429	27	54,843	714
5	Colorado	15,491	15,338	153	100	2	15,088	149
6	Connecticut	29,920	28,888	1,032	391	70	27,354	951
7	Dakota	6,219	6,180	39	30	2	6,111	37
8	Delaware	4,967	4,704	263	59	2	4,400	251
9	Dist. of Columbia	9,848	9,176	672	197	18	8,729	636
10	Florida	6,446	6,386	60	80	.....	6,115	49
11	Georgia	25,222	24,693	529	441	14	23,608	484
12	Idaho	1,327	1,321	6	7	.....	1,299	6
13	Illinois	128,372	125,328	3,044	1,564	179	121,123	2,829
14	Indiana	56,432	55,292	1,140	648	19	53,039	1,087
15	Iowa	50,872	50,212	660	330	16	48,777	630
16	Kansas	26,379	26,119	260	176	8	25,602	249
17	Kentucky	33,563	32,761	802	499	18	31,303	755
18	Louisiana	29,130	28,041	1,089	522	21	26,301	971
19	Maine	29,790	29,090	700	179	12	27,514	673
20	Maryland	49,234	46,785	2,449	797	75	44,554	2,230
21	Massachusetts	115,376	109,154	6,222	1,193	175	103,580	5,941
22	Michigan	54,723	53,317	1,406	500	56	51,368	1,333
23	Minnesota	24,349	23,979	370	208	6	23,422	358
24	Mississippi	12,975	12,849	126	154	2	12,343	110
25	Missouri	79,300	77,721	1,579	1,137	59	75,277	1,484
26	Montana	2,766	2,759	7	3	.....	2,741	7
27	Nebraska	15,106	14,983	123	87	2	14,751	120
28	Nevada	4,449	4,431	18	11	.....	4,370	18
29	New Hampshire	11,735	11,208	527	71	7	10,618	518
30	New Jersey	66,382	63,874	2,508	978	132	60,806	2,285
31	New Mexico	3,264	3,252	12	30	1	3,172	11
32	New York	339,419	324,304	15,115	6,856	931	307,563	13,774
33	North Carolina	15,966	15,793	173	306	11	14,910	136
34	Ohio	104,315	101,445	2,870	1,785	146	95,415	2,623
35	Oregon	6,149	6,106	43	52	1	5,930	40
36	Pennsylvania	179,965	169,664	10,301	3,418	386	160,049	9,469
37	Rhode Island	15,217	14,641	576	214	15	13,806	549
38	South Carolina	13,556	13,147	409	183	8	12,577	347
39	Tennessee	23,628	23,196	432	361	7	22,172	401
40	Texas	34,909	34,649	260	465	7	33,537	239
41	Utah	4,149	4,026	123	86	15	3,850	97
42	Vermont	8,945	8,772	173	80	3	8,285	167
43	Virginia	30,418	29,804	614	374	13	28,412	554
44	Washington	3,405	3,389	16	15	.....	3,338	16
45	West Virginia	10,653	10,510	143	122	9	10,066	127
46	Wisconsin	37,550	36,454	1,096	463	60	34,866	1,016
47	Wyoming	1,545	1,528	17	13	.....	1,505	17

y states and territories, with age, sex, and nativity: 1880—Continued.

AGE AND SEX—cont'd.		NATIVITY.							
60 and over.		United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
Male.	Female.								
52, 643	1, 968	1, 351, 695	138, 518	152, 491	56, 498	16, 214	33, 119	61, 721	
639	26	15, 357	369	638	138	30	26	395	1
21	.....	1, 534	79	169	70	9	42	1, 349	2
196	7	8, 005	348	488	97	22	37	236	3
1, 349	30	27, 667	6, 009	7, 473	3, 400	1, 143	1, 498	10, 202	4
150	2	11, 458	1, 059	857	695	164	485	773	5
1, 143	11	23, 501	3, 514	991	818	57	385	654	6
39	.....	4, 043	406	352	216	565	431	206	7
245	10	4, 540	204	94	77	7	6	39	8
250	18	8, 373	630	517	129	7	25	167	9
191	11	5, 203	89	166	121	40	48	779	10
644	31	23, 399	579	775	207	19	52	191	11
15	.....	829	37	72	134	16	46	193	12
2, 641	36	85, 445	10, 359	16, 813	5, 316	3, 370	2, 910	4, 159	13
1, 605	34	47, 608	2, 121	4, 651	794	156	358	744	14
1, 105	14	39, 447	2, 864	3, 959	1, 488	1, 174	888	1, 052	15
341	3	21, 887	1, 171	1, 321	755	321	491	433	16
959	29	28, 373	1, 418	2, 854	363	10	101	444	17
1, 218	97	21, 562	1, 548	2, 605	542	84	96	2, 693	18
1, 397	15	27, 572	590	78	321	57	980	192	19
1, 434	144	41, 367	2, 022	4, 482	610	95	95	563	20
4, 381	106	92, 863	11, 071	1, 301	3, 259	287	4, 445	2, 150	21
1, 449	17	37, 402	2, 484	4, 329	2, 838	485	5, 507	1, 678	22
349	6	14, 314	1, 521	2, 727	858	2, 672	1, 346	911	23
352	14	11, 514	271	632	109	38	25	386	24
1, 307	36	59, 554	5, 477	9, 335	1, 821	238	972	1, 903	25
15	.....	1, 961	142	174	113	39	226	111	26
145	1	11, 084	908	1, 186	523	416	385	604	27
50	.....	2, 289	225	358	238	36	235	1, 068	28
519	2	10, 414	492	52	136	8	602	31	29
2, 090	91	50, 008	5, 944	6, 019	2, 524	141	323	1, 423	30
50	.....	2, 516	175	185	66	10	47	265	31
9, 885	410	225, 349	43, 684	39, 170	13, 406	1, 348	4, 908	11, 554	32
577	26	15, 394	68	254	63	5	9	173	33
4, 245	101	77, 957	5, 949	12, 801	3, 201	146	1, 165	3, 096	34
124	2	3, 831	300	519	316	79	160	944	35
6, 197	446	143, 513	16, 044	11, 305	5, 346	367	708	2, 682	36
621	12	11, 974	1, 724	171	664	24	448	212	37
387	54	12, 170	328	705	115	8	11	219	38
663	24	21, 444	837	611	228	28	47	433	39
647	14	26, 426	1, 742	2, 632	839	209	258	2, 803	40
90	11	2, 161	93	78	1, 268	93	66	390	41
407	3	7, 556	498	44	98	1	727	21	42
1, 018	47	28, 940	531	538	196	6	28	179	43
36	.....	1, 548	163	168	206	91	116	1, 113	44
322	7	9, 391	563	502	102	.....	22	73	45
1, 125	20	21, 877	1, 752	7, 273	1, 559	2, 045	1, 280	1, 764	46
10	.....	1, 075	116	67	115	48	53	71	47

TABLE CII.—OCCUPATIONS—*Persons engaged in manufactures and mechanical ar*

	States and Territories.	Persons occupied.	AGE AND SEX.					
			All ages.		10 to 15.		16 to 59.	
			Male.	Female.	Male.	Female.	Male.	Female.
	The United States	3,837,112	3,205,124	631,988	86,677	46,930	2,978,845	577,157
1	Alabama	22,996	19,461	3,535	773	394	17,226	3,067
2	Arizona	7,374	7,272	102	9	3	7,188	99
3	Arkansas	11,338	10,632	706	138	39	9,993	639
4	California	118,282	109,690	8,592	621	193	105,363	8,324
5	Colorado	47,408	46,439	969	140	8	45,781	956
6	Connecticut	116,091	89,192	26,899	3,755	3,083	81,185	23,589
7	Dakota	9,101	8,790	311	7	1	8,681	309
8	Delaware	14,148	12,284	1,864	401	173	11,252	1,657
9	Dist. of Columbia	15,337	12,681	2,656	121	32	12,037	2,584
10	Florida	8,436	7,803	633	200	50	7,169	567
11	Georgia	36,167	28,954	7,213	895	659	26,364	6,456
12	Idaho	6,532	6,468	64	11	.....	6,351	64
13	Illinois	205,570	177,471	28,099	3,228	1,557	168,092	26,299
14	Indiana	110,127	98,696	11,431	1,850	324	92,513	10,926
15	Iowa	69,941	61,499	8,442	625	80	58,156	8,252
16	Kansas	36,319	33,292	3,027	272	19	31,974	2,963
17	Kentucky	61,481	53,788	7,693	1,354	415	49,903	7,162
18	Louisiana	30,681	26,459	4,222	478	154	24,018	3,922
19	Maine	72,662	55,884	16,778	1,320	1,045	51,121	15,518
20	Maryland	85,337	70,614	14,723	1,921	1,017	65,122	13,389
21	Massachusetts	370,265	272,246	98,019	8,591	7,272	250,508	89,921
22	Michigan	130,913	118,284	12,629	1,765	433	112,251	11,974
23	Minnesota	39,789	35,511	4,278	309	97	34,201	4,149
24	Mississippi	13,145	11,353	1,792	188	121	10,404	1,647
25	Missouri	109,774	98,211	11,563	2,180	694	92,893	10,706
26	Montana	8,022	7,946	76	6	1	7,830	75
27	Nebraska	18,255	16,529	1,726	92	13	16,047	1,694
28	Nevada	13,231	12,878	353	8	3	12,714	344
29	New Hampshire	58,037	40,675	17,362	1,257	1,353	37,222	15,808
30	New Jersey	160,561	131,647	28,914	5,113	3,377	121,180	25,252
31	New Mexico	4,377	4,042	335	18	34	3,938	290
32	New York	629,869	492,679	137,190	13,719	10,899	457,597	124,798
33	North Carolina	33,963	28,416	5,547	1,231	779	24,898	4,563
34	Ohio	242,294	210,362	31,932	6,106	1,795	193,762	29,620
35	Oregon	17,458	16,770	688	95	4	16,288	676
36	Pennsylvania	528,277	451,417	76,860	19,326	6,486	413,928	69,432
37	Rhode Island	66,160	46,072	20,088	2,957	2,576	41,278	17,372
38	South Carolina	19,698	15,887	3,811	425	283	14,184	3,415
39	Tennessee	36,082	32,442	3,640	643	196	29,885	3,343
40	Texas	30,346	28,238	2,108	265	34	26,927	2,041
41	Utah	10,212	9,401	811	158	32	8,773	711
42	Vermont	26,214	22,586	3,628	442	166	20,565	3,361
43	Virginia	63,059	54,607	8,452	1,769	577	49,136	7,634
44	Washington	7,296	7,132	164	38	2	6,955	159
45	West Virginia	26,288	24,840	1,448	527	32	23,120	1,378
46	Wisconsin	86,510	75,969	10,541	1,328	425	71,275	9,978
47	Wyoming	1,689	1,615	74	2	.....	1,597	74

mining industries, by states and territories, with age, sex, and nativity: 1880—Continued.

AGE AND SEX—cont'd.		NATIVITY.							
60 and over.		United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
Male.	Female.								
139,602	7,901	2,611,325	284,175	368,110	225,730	44,615	153,935	149,222	
1,462	74	21,139	311	418	296	27	38	767	1
75	.....	4,328	553	429	516	71	211	1,266	2
501	28	10,092	201	439	212	46	78	270	3
3,706	75	48,084	9,669	9,337	8,869	1,561	5,199	35,563	4
518	5	31,694	3,030	2,334	5,309	1,027	2,303	1,711	5
4,252	227	78,465	15,940	5,097	7,469	770	7,043	1,307	6
102	1	5,417	470	593	726	573	963	359	7
631	34	12,327	858	342	473	19	34	95	8
523	40	12,950	728	1,068	339	19	41	192	9
434	16	6,449	79	131	155	42	60	1,520	10
1,695	98	34,910	401	365	273	31	38	149	11
106	.....	2,397	431	267	459	148	195	2,635	12
6,151	243	116,492	12,297	36,391	15,454	10,475	5,012	9,449	13
4,333	181	89,974	2,419	11,646	3,299	391	653	1,745	14
2,718	110	50,180	2,067	8,169	3,807	2,237	1,496	1,985	15
1,046	45	28,560	993	2,340	2,077	802	727	820	16
2,531	116	50,245	2,103	6,665	1,391	26	237	814	17
1,963	146	22,826	1,245	3,200	546	67	144	2,653	18
3,443	215	59,723	2,016	206	2,401	159	7,826	331	19
3,571	317	67,743	2,686	11,446	2,189	50	230	993	20
13,147	826	238.255	52,358	6,144	24,649	1,958	43,191	3,710	21
4,268	222	74,058	5,226	13,559	9,598	3,246	19,685	5,541	22
1,001	32	20,867	1,359	5,460	1,587	5,485	3,394	1,637	23
761	24	11,914	290	363	217	80	56	225	24
3,138	163	74,703	5,882	19,376	4,209	582	1,300	3,722	25
110	.....	3,994	855	415	646	191	663	1,258	26
390	19	12,712	555	1,966	962	649	547	864	27
156	6	4,912	1,688	643	2,429	172	1,091	2,296	28
2,196	201	42,200	3,282	281	1,736	67	10,328	143	29
5,354	285	109,696	14,532	18,334	12,087	507	896	4,509	30
86	11	3,219	189	182	154	30	87	516	31
21,363	1,493	385,693	70,487	93,118	34,024	3,448	15,834	27,265	32
2,287	205	33,271	97	102	156	11	23	303	33
10,494	517	172,097	8,209	35,673	15,649	376	3,145	7,145	34
387	8	8,245	622	964	967	656	486	5,518	35
18,163	942	388,836	43,246	42,600	40,635	2,247	2,552	8,161	36
1,837	140	40,278	9,108	685	7,060	282	8,238	509	37
1,278	113	18,819	260	332	153	11	19	104	38
1,914	101	33,546	642	729	666	80	76	343	39
1,046	33	22,460	951	2,885	1,066	195	311	2,478	40
470	68	4,249	126	196	3,513	686	540	902	41
1,579	101	19,738	1,532	113	904	25	3,804	98	42
3,702	241	61,191	438	631	506	20	57	216	43
139	3	3,796	302	377	575	262	550	1,434	44
1,193	38	22,861	870	1,457	884	7	76	133	45
3,366	138	44,879	2,454	20,535	4,152	4,760	4,388	5,342	46
16	.....	841	118	107	286	41	70	226	47

TABLE CIII.—OCCUPATIONS—*The United States by classes and*

	Occupations.	Persons occupied.	AGE AND SEX.			
			All ages.		10 to 15.	
			Male.	Female.	Male.	Female.
	ALL OCCUPATIONS	17,392,099	14,744,942	2,647,157	825,187	293,169
	AGRICULTURE	7,670,493	7,075,983	594,510	584,867	135,862
1	Agricultural laborers (*a*)	3,323,876	2,788,976	534,900	580,576	135,591
2	Apiarists	1,016	999	17	3	.....
3	Dairymen and dairywomen	8,948	8,238	710	136	54
4	Farm and plantation overseers	3,106	2,913	193	1	.....
5	Farmers and planters	4,225,945	4,169,136	56,809	.....	.....
6	Florists	4,550	4,320	230	72	10
7	Gardeners, nurserymen, and vine-growers	51,482	50,173	1,309	1,036	155
8	Stock-drovers	3,449	3,449	.....	110	.....
9	Stock-herders	24,098	24,004	94	2,755	38
10	Stock-raisers	16,528	16,406	122	.....	.....
11	Turpentine farmers and laborers	7,450	7,325	125	178	14
12	Others in agriculture	45	44	1	.....	.....
	PROFESSIONAL AND PERSONAL SERVICES	4,074,238	2,712,943	1,361,295	127,565	107,830
13	Actors	4,812	2,992	1,820	18	45
14	Architects	3,375	3,358	17	.....	.....
15	Artists and teachers of art	9,104	7,043	2,061	29	8
16	Auctioneers	2,331	2,328	3	.....	.....
17	Authors, lecturers, and literary persons	1,131	811	320	.....	1
18	Barbers and hairdressers	44,851	41,949	2,902	471	102
19	Billiard- and bowling-saloon keepers and employés (*b*)	1,543	1,499	44	10	.....
20	Boarding- and lodging-house keepers	19,058	6,745	12,313	.....	.....
21	Chemists, assayers, and metallurgists	1,969	1,921	48	2	.....
22	Clergymen	64,698	64,533	165	.....	.....
23	Clerks and copyists (not otherwise described)	25,467	23,820	1,647	744	45
24	Clerks in government offices (*c*)	16,849	14,873	1,976	26	3
25	Clerks in hotels and restaurants	10,916	10,670	246	100	10
26	Collectors and claim agents	4,213	4,187	26	24	.....
27	Dentists	12,314	12,253	61	.....	.....
28	Designers, draughtsmen, and inventors	2,820	2,764	56	7	1
29	Domestic servants	1,075,655	136,745	938,910	23,949	93,211
30	Employés of charitable institutions	2,396	781	1,615	1	10
31	Employés of government (*c*)	31,601	28,433	3,168	179	12
32	Employés of hotels and restaurants (not clerks)	77,413	46,348	31,065	1,189	685
33	Engineers (civil)	8,261	8,261	.....	2	.....
34	Hostlers	31,697	31,697	.....	625	.....
35	Hotel keepers	32,453	30,317	2,136	.....	.....
36	Hunters, trappers, guides, and scouts	1,912	1,912	.....	.....	.....
37	Janitors	6,763	6,064	699	14	2
38	Journalists	12,308	12,020	288	.....	.....
39	Laborers (not specified) (*a*)	1,859,223	1,796,575	62,648	91,599	11,376
40	Launderers and laundresses	121,942	13,744	108,198	180	1,062
41	Lawyers	64,137	64,062	75	.....	.....
42	Livery-stable keepers	14,213	14,180	33	.....	.....
43	Messengers	13,985	13,585	400	8,064	351
44	Midwives	2,118	.....	2,118	.....	.....
45	Musicians (professional) and teachers of music	30,477	17,295	13,182	111	79
46	Nurses	13,483	1,189	12,294	26	315
47	Officers of the army and navy (United States)	2,600	2,600	.....	.....	.....
48	Officials of government (*c*)	67,081	64,909	2,172	.....	.....
49	Physicians and surgeons	85,671	83,239	2,432	.....	.....
50	Restaurant keepers	13,074	12,228	846	.....	.....

a In agricultural districts many enumerators have reported "agricultural laborers" simply as "laborers".

b To a great extent confused with "hotel", "restaurant," and "saloon" keepers.

c Including national, state, county, city, and town governments.

severally, with the age, sex, and nativity of persons occupied: 1880.

AGE AND SEX—continued.				NATIVITY.							
16 to 59.		60 and over.									
Male.	Female.	Male.	Female.	United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
12,986,111	2,283,115	933,644	70,873	13,897,452	978,854	1,033,190	466,505	205,525	351,103	459,470	
5,888,133	435,920	602,983	22,728	6,857,664	140,307	293,722	104,314	91,836	73,435	109,215	
2,126,811	386,664	81,589	12,645	3,162,474	24,236	48,210	15,216	22,624	21,214	29,902	1
904	17	92	.....	891	10	37	42	2	28	6	2
7,816	622	286	34	5,053	575	1,469	258	87	301	1,205	3
2,736	152	176	41	2,780	95	73	51	7	26	74	4
3,657,557	47,042	511,579	9,767	3,615,765	107,708	233,390	82,867	68,431	50,635	67,149	5
4,063	203	185	17	2,512	337	753	595	26	69	258	6
41,317	954	7,820	200	26,887	6,298	8,588	3,888	359	537	4,925	7
3,220	.....	119	.....	2,923	149	150	71	7	67	82	8
20,717	52	532	4	18,245	440	624	704	245	289	3,551	9
15,877	102	529	20	12,662	453	424	620	48	268	2,053	10
7,074	111	73	.....	7,430	5	4	1	.....	.....	10	11
41	1	3	.....	42	1	.....	1	.....	1	.....	12
2,446,962	1,215,189	138,416	38,276	3,076,768	415,854	218,867	79,963	52,860	90,614	139,312	
2,939	1,764	35	11	3,531	169	219	445	17	116	315	13
3,204	17	154	.....	2,382	92	395	255	27	90	134	14
6,677	2,022	337	31	6,727	143	902	541	51	187	553	15
2,113	3	215	.....	1,983	73	91	101	5	34	44	16
703	303	108	16	921	21	32	83	5	19	50	17
41,034	2,772	444	28	31,945	488	7,814	690	118	1,050	2,746	18
1,452	42	37	2	1,232	63	111	45	10	41	41	19
5,689	11,175	1,056	1,138	12,294	2,439	1,549	934	278	784	780	20
1,824	47	95	1	1,303	76	225	171	12	32	150	21
55,639	140	8,894	25	51,967	2,516	4,301	2,589	598	930	1,797	22
22,804	1,595	272	7	22,742	545	632	760	76	341	371	23
14,283	1,958	564	15	15,299	439	450	344	40	127	150	24
10,446	232	124	4	9,398	296	449	256	62	252	203	25
3,832	25	331	1	3,271	267	324	186	13	45	107	26
11,821	59	432	2	11,459	68	204	193	14	237	139	27
2,637	54	120	1	2,003	43	217	314	30	53	160	28
108,552	821,341	4,244	24,358	819,651	122,194	43,444	19,477	19,077	22,050	29,762	29
741	1,519	39	86	1,462	470	190	112	6	64	92	30
26,763	3,089	1,491	67	25,604	2,659	1,242	1,053	147	480	416	31
44,542	30,133	617	247	52,652	11,107	4,707	1,830	970	2,126	4,021	32
7,708	.....	551	.....	7,097	170	296	357	53	120	168	33
30,344	.....	728	.....	23,488	4,230	1,820	787	199	695	478	34
27,670	1,948	2,647	188	22,592	2,609	4,006	1,243	228	853	922	35
1,769	.....	143	.....	1,583	13	28	33	13	81	161	36
5,507	629	543	68	4,214	1,171	565	441	71	99	202	37
11,700	284	320	4	10,426	324	541	535	43	188	251	38
1,616,504	48,687	88,472	2,585	1,336,845	225,122	114,641	31,383	28,031	50,342	72,859	39
13,112	102,342	452	4,794	87,815	14,788	4,870	1,625	658	999	11,187	40
60,177	64	3,885	11	60,342	1,008	791	948	89	559	400	41
13,632	31	548	2	12,055	866	462	346	51	306	127	42
5,453	47	68	2	12,739	305	253	311	49	146	182	43
.....	1,253	.....	865	1,234	52	560	69	20	11	172	44
16,452	12,998	732	105	21,595	536	4,163	1,221	125	475	2,362	45
1,061	9,485	102	2,494	9,397	1,595	855	881	89	379	287	46
2,491	.....	109	.....	2,238	135	76	62	12	17	60	47
59,649	2,088	5,260	84	55,772	5,133	2,677	1,696	274	745	784	48
75,006	2,268	8,233	164	77,092	1,021	2,640	1,748	176	1,520	1,474	49
11,707	817	521	29	7,764	791	2,488	575	120	302	1,034	50

TABLE CIII.—OCCUPATIONS—*The United States by classes and severally,*

	Occupations.	Persons occupied.	AGE AND SEX. All ages. Male.	All ages. Female.	10 to 15. Male.	10 to 15. Female.
	PROFESSIONAL AND PERSONAL SERVICES—continued.					
51	Sextons	2,449	2,435	14	5	.....
52	Showmen and employés of shows	2,604	2,421	183	17	7
53	Soldiers, sailors, and marines (U. S. army and navy) (*a*)	24,161	24,161	.....	20	.....
54	Teachers and scientific persons	227,710	73,335	154,375	92	505
55	Veterinary surgeons	2,130	2,130	.....	.....	.....
56	Watchmen (private) and detectives	13,384	13,370	14	13	.....
57	Whitewashers	3,316	3,301	15	10	.....
58	Others in professional and personal services	4,570	3,860	710	38	.....
	TRADE AND TRANSPORTATION	1,810,256	1,750,892	59,364	26,078	2,547
59	Agents (not specified)	18,523	18,152	371	79	21
60	Bankers and brokers of money and stocks	15,180	15,112	68	.....	.....
61	Boatmen and watermen	20,368	20,357	11	470	.....
62	Bookkeepers and accountants in stores	59,790	57,425	2,365	147	29
63	Brokers (commercial)	4,193	4,128	65	.....	.....
64	Canalmen	4,329	4,281	48	130	2
65	Clerks in stores	353,444	329,722	23,722	14,596	1,541
66	Clerks and bookkeepers in banks	10,257	10,183	74	72	2
67	Clerks and bookkeepers in express companies	1,856	1,848	8	7	.....
68	Clerks and bookkeepers in insurance offices	2,830	2,777	53	29	1
69	Clerks and bookkeepers in railroad offices	12,331	12,274	57	71	3
70	Commercial travelers	28,158	27 886	272	22	1
71	Draymen, hackmen, teamsters, etc	177,586	177,586	.....	1,961	.....
72	Employés in warehouses	5,022	4,816	206	109	35
73	Employés of banks (not clerks)	1,070	1,049	21	34	.....
74	Employés of insurance companies (not clerks)	13,146	13,041	105	33	1
75	Employés of railroad companies (not clerks)	236,058	235,611	447	875	27
76	Hucksters and peddlers	53,491	50,999	2,492	897	72
77	Milkmen and milkwomen	9,242	8,916	326	122	11
78	Newspaper criers and carriers	3,374	3,298	76	941	5
79	Officials and employés of express companies (not clerks).	13,004	12,993	11	153	2
80	Officials and employés of street railroad companies	11,925	11,921	4	31	.....
81	Officials and employés of telegraph companies	22,809	21,678	1,131	1,450	48
82	Officials and employés of telephone companies	1,197	1,050	147	95	3
83	Officials and employés of trading and transportation companies (not specified).	9,702	9,686	16	25	.....
84	Officials of banks	4,421	4,421	.....	.....	.....
85	Officials of insurance companies	1,774	1,774	.....	.....	.....
86	Officials of railroad companies	2,069	2,069	.....	.....	.....
87	Packers	4,176	3,650	526	97	55
88	Pilots	3,770	3,770	.....	1	.....
89	Porters and laborers in stores and warehouses	32,192	29,938	2,254	2,762	397
90	Sailors (*a*)	60,070	60,070	.....	350	.....
91	Salesmen and saleswomen	32,279	24,535	7,744	133	282
92	Saloon keepers and bartenders	68,461	67,153	1,308	262	2
93	Shippers and freighters	5,166	5,160	6	10	.....
94	Steamboat men and women	12,365	12,182	183	84	5
95	Stewards and stewardesses	2,283	1,985	298	6	.....
96	Toll-gate and bridge keepers	2,303	1,885	418	9	1
97	Traders and dealers (not specified)	112,840	109,094	3,746	.....	.....
98	Traders and dealers in agricultural implements	1,999	1,997	2	.....	.....
99	Traders and dealers in books and stationery	4,982	4,783	199	.....	.....
100	Traders and dealers in boots and shoes	9,993	9,807	186	.....	.....
101	Traders and dealers in cabinet ware	7,419	7,335	84	.....	.....
102	Traders and dealers in cigars and tobacco	11,866	11,332	534	.....	.....
103	Traders and dealers in clothing and men's furnishing goods.	10,073	9,874	199	.....	.....
104	Traders and dealers in coal and wood	10,871	10,781	90	.....	.....
105	Traders and dealers in cotton and wool	2,494	2,484	10	.....	.....

a In a census of the United States "sailors" at sea, when the enumeration is taken, are liable to be omitted unless they are actual members of families which are enumerated.

with the age, sex, and nativity of persons occupied: 1880—Continued.

AGE AND SEX—continued.				NATIVITY.							
16 to 59.		60 and over.									
Male.	Female.	Male.	Female.	United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
1,968	11	462	3	1,453	360	253	237	21	36	89	51
2,360	173	44	3	2,043	80	135	147	3	65	131	52
23,577	.....	564	.....	14,944	3,716	2,727	1,213	209	507	845	53
71,068	153,071	2,175	799	211,671	3,916	4,328	2,319	534	2,617	2,325	54
1,840	.....	290	.....	1,457	104	156	252	18	71	72	55
12,098	12	1,259	2	6,936	3,293	1,389	866	174	286	440	56
2,955	14	336	1	2,714	72	339	67	13	41	70	57
3,459	677	363	33	3,436	276	310	222	31	96	199	58
1,672,171	54,849	52,643	1,968	1,351,695	138,518	152,491	56,498	16,214	33,119	61,721	
17,337	331	736	19	15,261	667	1,021	819	100	314	341	59
13,824	57	1,288	11	12,944	339	829	486	27	176	379	60
19,383	9	504	2	16,896	1,638	550	327	262	425	270	61
56,163	2,326	1,115	10	49,675	1,672	3,240	2,693	241	1,041	1,228	62
3,687	51	441	14	3,004	207	378	239	26	63	276	63
4,025	45	126	1	3,742	320	94	58	10	65	40	64
312,342	22,105	2,784	76	303,670	10,480	17,330	8,310	2,155	5,567	5,932	65
9,982	71	129	1	9,498	117	230	222	21	95	74	66
1,816	8	25	.....	1,632	75	38	56	4	31	20	67
2,702	52	46	.....	2,603	43	59	80	2	18	25	68
12,082	52	121	2	10,887	469	153	476	30	223	93	69
27,260	256	604	15	23,596	839	1,596	1,014	86	536	491	70
170,971	.....	4,654	.....	128,275	22,911	13,012	4,470	1,020	4,484	3,414	71
4,539	166	168	5	3,516	523	350	190	48	69	326	72
936	20	79	1	900	75	39	37	4	4	11	73
12,101	102	907	2	11,271	262	815	405	40	171	182	74
231,503	413	3,233	7	169,380	32,407	9,748	6,565	4,548	5,307	8,103	75
47,279	2,009	2,823	411	30,682	5,156	7,173	1,657	183	726	7,914	76
8,481	283	313	32	5,496	1,078	1,843	236	58	124	407	77
2,253	69	104	2	2,524	124	460	121	10	45	90	78
12,513	9	327	.....	10,133	1,128	851	403	74	201	214	79
11,769	4	121	.....	8,229	2,217	711	328	58	257	125	80
20,173	1,082	55	1	20,738	550	249	484	76	588	124	81
953	144	2	.....	1,092	29	1	26	1	39	9	82
9,349	16	312	.....	4,789	2,871	577	448	242	265	510	83
3,938	.....	483	.....	4,116	38	108	90	6	36	27	84
1,600	.....	174	.....	1,546	40	80	62	4	21	21	85
1,963	.....	106	.....	1,855	55	31	79	2	40	7	86
3,482	467	71	4	2,491	624	482	176	36	99	268	87
3,520	.....	249	.....	3,324	123	75	115	27	51	55	88
26,583	1,829	593	28	21,401	3,633	3,880	805	395	510	1,568	89
58,028	.....	1,692	.....	41,984	3,659	2,292	3,239	2,897	2,001	3,998	90
24,023	7,439	379	23	26,370	1,626	2,054	1,177	61	450	541	91
65,486	1,237	1,405	69	30,261	8,450	20,667	2,296	737	1,584	4,466	92
5,015	6	135	.....	4,078	214	159	253	46	112	304	93
11,812	172	286	6	10,219	697	349	414	132	279	275	94
1,916	283	63	15	1,535	190	128	178	15	57	180	95
1,469	379	407	38	1,852	202	122	71	6	24	26	96
102,866	3,410	6,228	336	86,791	4,136	11,085	3,527	657	1,420	5,224	97
1,945	2	52	.....	1,737	31	84	54	21	50	22	98
4,531	189	252	10	3,826	263	407	291	19	56	120	99
9,246	173	561	13	6,454	724	1,760	442	62	172	379	100
6,942	80	393	4	5,032	359	1,133	380	77	136	302	101
10,865	513	467	21	7,412	469	2,604	413	37	106	825	102
9,481	178	393	21	5,112	336	3,127	347	52	124	975	103
10,057	86	724	4	8,058	903	956	449	51	175	279	104
2,318	10	166	.....	2,023	112	146	138	4	13	58	105

TABLE CIII.—OCCUPATIONS—*The United States by classes and severally,*

	Occupations.	Persons occupied.	AGE AND SEX. All ages. Male.	All ages. Female.	10 to 15. Male.	10 to 15. Female.
	TRADE AND TRANSPORTATION—continued.					
106	Traders and dealers in crockery, china, glass, and stone ware.	2,373	2,249	124	.....	.....
107	Traders and dealers in drugs and medicines	27,700	27,580	120	.....	.....
108	Traders and dealers in dry goods, fancy goods, and notions.	45,831	41,771	4,060	.....	.....
109	Traders and dealers in gold and silver ware and jewelry	2,305	2,264	41	.....	.....
110	Traders and dealers in groceries	101,849	98,055	3,794	.....	.....
111	Traders and dealers in hats, caps, and furs	4,809	4,722	87	.....	.....
112	Traders and dealers in ice	2,854	2,842	12	.....	.....
113	Traders and dealers in iron, tin, and copper ware	15,076	15,014	62	.....	.....
114	Traders and dealers in junk	3,574	3,503	71	.....	.....
115	Traders and dealers in leather, hides, and skins	2,382	2,380	2	.....	.....
116	Traders and dealers in liquors and wines	13,500	13,368	132	.....	.....
117	Traders and dealers in live-stock	12,596	12,582	14	.....	.....
118	Traders and dealers in lumber	11,263	11,255	8	.....	.....
119	Traders and dealers in marble, stone, and slate	1,405	1,398	7	.....	.....
120	Traders and dealers in music and musical instruments	1,906	1,861	45	.....	.....
121	Traders and dealers in newspapers and periodicals	2,729	2,622	107	.....	.....
122	Traders and dealers in oils, paints, and turpentine	1,940	1,926	14	.....	.....
123	Traders and dealers in paper and paper stock	1,862	1,815	47	.....	.....
124	Traders and dealers in produce and provisions	35,129	34,599	530	.....	.....
125	Traders and dealers in real estate	11,253	11,214	39	.....	.....
126	Traders and dealers in sewing machines	6,577	6,478	99	.....	.....
127	Undertakers	5,113	5,058	55	4	1
128	Weighers, gaugers, and measurers	3,302	3,291	11	8	.....
129	Others in trade and transportation	177	177	.....	3	.....
	MANUFACTURING, MECHANICAL, AND MINING INDUSTRIES.	3,837,112	3,205,124	631,988	86,677	46,930
130	Agricultural implement makers (*a*)	4,891	4,879	12	103	1
131	Artificial-flower makers	3,399	512	2,887	40	729
132	Apprentices to trades (*b*)	44,170	40,313	3,857	7,261	1,239
133	Bag makers	1,408	669	739	84	110
134	Bakers	41,309	40,246	1,063	605	47
135	Basket makers	5,654	5,058	596	235	33
136	Blacksmiths	172,726	172,726	.....	556	.....
137	Bleachers, dyers, and scourers	8,222	7,573	649	201	32
138	Blind, door, and sash makers	4,946	4,946	.....	144	.....
139	Boat makers	2,063	2,063	.....	15	.....
140	Bone and ivory workers	1,888	1,717	171	41	9
141	Bookbinders and finishers	13,833	8,342	5,491	355	405
142	Boot and shoe makers	194,079	173,072	21,007	2,476	1,177
143	Bottlers and mineral-water makers	2,081	2,012	69	103	7
144	Box-factory operatives	15,762	8,632	7,130	708	1,022
145	Brass founders and workers	11,568	10,831	737	396	91
146	Brewers and maltsters	16,278	16,217	61	128	1
147	Brick and tile makers (*c*)	36,052	35,984	68	1,601	6
148	Bridge builders and contractors (*d*)	2,587	2,587	.....	5	.....
149	Britannia and japanned ware makers	1,375	1,261	114	32	8
150	Broom and brush makers	8,479	7,837	642	464	124
151	Builders and contractors (*d*)	10,804	10,793	11	6	.....
152	Butchers	76,241	76,241	.....	568	.....
153	Button-factory operatives	4,872	2,480	2,392	334	321
154	Cabinet-makers	50,654	50,174	480	1,525	90
155	Candle, soap, and tallow makers	2,923	2,718	205	166	34

a Generally reported as "iron founders," "carpenters," "machinists," "painters and varnishers," etc.
b In 1870 "apprentices" were, as far as possible, included in the account of their respective trades. Only those whose avocations could not be separately determined were reported under the title "apprentices (not specified)".
c The unskilled workmen employed in brick-yards are generally reported as common "laborers".
d See "builders and contractors (not specified)" and "railroad builders and contractors".

with the age, sex, and nativity of persons occupied: 1880—Continued.

AGE AND SEX—continued.				NATIVITY.							
16 to 59.		60 and over.									
Male.	Female.	Male.	Female.	United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
2,091	112	158	12	1,321	169	483	193	10	25	172	106
26,784	114	796	6	23,521	330	1,842	791	160	443	613	107
39,693	3,741	2,078	319	33,101	2,299	6,058	1,704	210	528	1,931	108
2,143	40	121	1	1,286	54	550	162	13	23	217	109
92,256	3,502	5,799	292	64,331	11,668	17,212	3,292	520	1,379	3,447	110
4,399	82	323	5	2,974	374	900	251	19	65	226	111
2,743	11	99	1	2,112	213	269	93	30	65	72	112
14,261	59	753	3	12,177	441	1,274	593	79	235	277	113
3,287	63	216	8	1,367	1,267	395	202	11	59	273	114
2,196	1	184	1	1,609	111	460	74	8	18	102	115
13,013	120	355	12	4,945	3,642	3,283	449	63	186	932	116
12,068	12	514	2	10,542	544	722	392	27	192	177	117
10,573	7	682	1	9,808	198	439	327	58	310	123	118
1,307	7	91	.....	1,057	123	57	111	4	28	25	119
1,766	44	95	1	1,512	20	199	95	11	31	38	120
2,481	100	141	7	2,007	202	243	176	5	30	66	121
1,810	13	116	1	1,478	84	176	117	8	16	61	122
1,667	45	148	2	943	238	385	110	4	6	176	123
32,940	454	1,659	76	26,197	2,075	3,029	1,279	147	569	1,833	124
9,987	36	1,227	3	9,210	553	610	434	48	191	207	125
6,350	97	128	2	5,619	138	287	212	65	175	81	126
4,581	45	473	9	4,056	360	401	135	16	69	76	127
3,097	11	186	.....	2,504	322	133	151	26	117	49	128
169	.....	5	.....	108	12	8	9	2	9	29	129
2,978,845	577,157	139,602	7,901	2,611,325	284,175	368,110	225,730	44,615	153,935	149,222	
4,626	11	150	.....	3,255	227	551	141	446	109	162	130
456	2,148	16	10	2,530	176	226	71	5	20	371	131
33,052	2,618	.....	.....	40,088	594	1,310	736	163	549	730	132
576	621	9	8	996	151	149	58	1	13	40	133
38,554	965	1,087	51	18,108	2,675	15,238	1,821	286	971	2,210	134
4,648	525	775	38	3,689	231	1,070	202	73	186	203	135
161,633	.....	10,537	.....	125,596	12,742	15,129	7,508	2,254	6,096	3,401	136
7,028	599	344	18	4,154	1,226	985	1,171	72	156	458	137
4,658	.....	144	.....	3,885	120	475	121	68	171	106	138
1,846	.....	202	.....	1,685	113	77	89	12	67	20	139
1,558	160	118	2	1,258	265	206	93	4	20	42	140
7,695	5,065	292	21	10,770	773	1,073	640	97	216	264	141
156,579	19,755	14,017	75	124,691	17,438	27,815	6,701	2,513	7,581	7,340	142
1,861	62	48	.....	1,182	171	513	58	19	25	113	143
7,738	6,095	186	13	12,893	651	1,325	306	38	307	242	144
10,224	641	211	5	7,111	2,015	1,015	843	88	278	218	145
15,770	57	319	3	4,057	752	9,925	358	63	178	945	146
33,719	61	664	1	24,577	2,327	3,122	888	464	3,447	1,227	147
2,508	.....	74	.....	1,922	253	89	112	45	129	37	148
1,192	106	37	.....	899	153	100	174	1	17	31	149
7,027	509	346	9	6,258	381	979	282	54	276	249	150
9,951	11	836	.....	7,250	1,665	612	740	53	333	151	151
73,701	.....	1,972	.....	47,011	3,484	18,166	3,119	289	1,124	3,048	152
2,096	2,065	50	6	3,793	448	177	261	8	136	49	153
45,521	374	3,128	16	29,498	1,132	13,328	1,461	1,267	1,420	2,548	154
2,433	167	119	4	1,676	379	520	120	28	43	157	155

TABLE CIII.—OCCUPATIONS—*The United States by classes and severally,*

	Occupations.	Persons occupied.	AGE AND SEX.			
			All ages.		10 to 15.	
			Male.	Female.	Male.	Female.
	MANUFACTURING, MECHANICAL, ETC.—continued.					
156	Car makers	4,708	4,708	.....	69	.....
157	Carpenters and joiners	373,143	373,143	.....	460	.....
158	Carpet makers (*a*)	17,068	9,962	7,106	654	640
159	Carriage and wagon makers	49,881	49,743	138	412	6
160	Charcoal and lime burners	5,851	5,851	.....	66	.....
161	Cheese makers	4,570	4,230	340	49	3
162	Chemical-works employés	2,923	2,509	414	75	43
163	Cigar makers (*b*)	56,599	51,267	5,332	1,799	647
164	Clerks and bookkeepers in manuf'g establishments	10,114	9,921	193	120	12
165	Clock and watch makers and repairers	13,820	12,002	1,818	286	86
166	Confectioners	13,692	11,892	1,800	169	123
167	Coopers	49,138	49,138	.....	686	.....
168	Copper workers	2,342	2,326	16	32	.....
169	Corset makers	4,660	795	3,865	81	374
170	Cotton-mill operatives (*c*)	169,771	78,292	91,479	13,115	14,891
171	Distillers and rectifiers	3,245	3,237	8	25	.....
172	Employés in manuf'g establishments (not specified)	34,536	25,885	8,651	1,336	915
173	Engineers and firemen	79,628	79,628	.....	91	.....
174	Engravers	4,577	4,474	103	63	2
175	Fertilizer establishment operatives	1,383	1,371	12	15	5
176	File makers, cutters, and grinders	1,839	1,817	22	110	4
177	Fishermen and oystermen (*d*)	41,352	41,287	65	819	4
178	Flax dressers	1,894	904	990	193	186
179	Fur workers	1,580	964	616	44	45
180	Galoon, gimp, and tassel makers	2,235	693	1,542	70	190
181	Gas-works employés	4,695	4,680	15	65	.....
182	Gilders	1,763	1,703	60	32	3
183	Glass-works operatives	17,934	17,370	564	2,313	94
184	Glove makers	4,511	2,558	1,953	47	106
185	Gold and silver workers and jewelers	28,405	26,438	1,967	463	143
186	Gun- and lock-smiths	10,572	10,377	195	180	16
187	Hair cleaners, dressers, and workers	1,965	966	999	127	90
188	Harness and saddle makers	39,960	38,409	1,551	308	28
189	Hat and cap makers	16,860	13,004	3,856	438	326
190	Hosiery and knitting-mill operatives (*a*)	12,194	4,334	7,860	666	1,184
191	Iron and steel works and shops operatives (*e*)	114,539	114,137	402	2,595	38
192	Lace makers	1,708	254	1,454	18	174
193	Lead and zinc works operatives	2,105	2,105	.....	58	.....
194	Leather case and pocket-book makers	1,397	1,073	324	149	48
195	Leather curriers, dressers, finishers, and tanners	29,842	29,642	200	397	5
196	Lumbermen and raftsmen	30,651	30,651	.....	154	.....
197	Machinists	101,130	101,130	.....	572	.....
198	Manufacturers	44,019	43,612	407	.....	.....
199	Marble and stone cutters	32,842	32,842	.....	155	.....
200	Masons, brick and stone	102,473	102,473	.....	160	.....
201	Meat and fruit preserving establishment employés	2,860	2,021	839	113	95
202	Meat packers, curers, and picklers	3,436	3,111	325	100	70
203	Mechanics (not specified)	7,858	7,853	5	30	.....
204	Mill and factory operatives (not specified)	30,836	22,803	8,186	2,348	1,383
205	Millers	53,440	53,363	77	294	4
206	Milliners, dressmakers, and seamstresses (*f*)	285,401	3,473	281,928	86	4,657
207	Miners	234,228	233,996	79	11,144	14
208	Mirror and picture-frame makers	2,503	2,390	113	229	37
209	Nail makers (*g*)	5,803	5,429	374	277	12
210	Officials of manufacturing and mining companies	8,198	8,179	19	.....	.....

a See "woolen-mill operatives" and "mill and factory operatives (not specified)".
b See "tobacco workers".
c See "print-works operatives" and "mill and factory operatives (not specified)".
d Largely reported as "sailors", while many who follow the avocation of fishermen for only a portion of the year are reported under some other branch of industry.
e Including founderies, furnaces, and rolling-mills. Large numbers employed in these establishments are returned as "operatives" or "laborers", without designation of trade—see "nail makers" and "stove, furnace, and grate makers".
f In 1870 "seamstresses" were included with "tailors and tailoresses"—see "shirt, collar, and cuff makers" and "tailors and tailoresses".
g See "iron and steel works operatives".

with the age, sex, and nativity of persons occupied: 1880—Continued.

AGE AND SEX—continued.				NATIVITY.							
16 to 59.		60 and over.									
Male.	Female.	Male.	Female.	United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
4,510	.....	129	.....	3,191	351	568	245	84	171	98	156
345,656	.....	27,027	.....	287,452	14,268	30,388	13,209	5,309	15,036	7,481	157
8,223	6,044	1,085	422	9,634	3,234	1,514	1,918	110	377	281	158
46,102	129	3,229	3	37,634	1,391	6,193	1,418	544	1,591	1,110	159
5,593	.....	192	.....	3,369	332	355	143	135	251	1,266	160
4,113	324	68	13	3,863	34	179	138	10	86	260	161
2,342	371	92	.....	1,657	397	560	153	5	38	113	162
48,925	4,665	543	20	31,371	852	11,979	1,416	208	524	10,249	163
9,670	180	131	1	8,834	289	366	364	26	131	104	164
11,112	1,730	604	2	9,584	598	1,580	757	200	309	792	165
11,317	1,568	406	109	8,154	678	2,696	819	41	220	1,084	166
44,509	.....	3,943	.....	32,966	3,274	8,861	814	379	1,323	1,521	167
2,172	16	122	.....	1,191	350	374	200	55	72	100	168
709	3,480	5	11	3,877	358	81	164	1	137	42	169
63,717	76,207	1,460	381	94,010	19,732	1,998	16,237	279	36,385	1,130	170
3,107	8	105	.....	2,443	199	393	57	7	26	120	171
23,855	7,671	694	65	24,715	2,649	3,305	1,656	196	869	1,146	172
78,087	.....	1,450	.....	57,984	6,988	4,315	6,552	521	1,980	1,288	173
4,305	101	106	.....	3,179	137	512	425	31	52	241	174
1,332	7	24	.....	1,101	117	87	19	21	8	30	175
1,680	17	27	1	1,144	158	137	291	6	43	60	176
38,514	54	1,954	7	30,324	1,036	765	581	913	2,816	4,917	177
686	800	25	4	1,056	441	20	275	16	70	16	178
869	563	51	8	807	204	330	84	9	21	125	179
596	1,347	27	5	1,683	57	332	56	6	30	71	180
4,460	15	155	.....	2,393	1,560	291	282	35	56	78	181
1,618	57	53	.....	1,069	103	320	142	9	29	91	182
14,836	467	221	3	13,479	1,152	1,474	1,039	50	162	578	183
2,447	1,819	64	28	3,667	162	195	288	9	79	111	184
25,143	1,810	832	14	20,711	924	3,252	1,552	249	441	1,276	185
9,512	178	685	1	6,863	550	1,947	564	97	104	447	186
801	897	38	12	1,345	130	227	79	8	50	126	187
36,182	1,510	1,919	13	29,769	1,966	4,393	1,129	243	1,214	1,246	188
12,116	3,506	450	24	12,217	1,987	1,363	628	36	140	489	189
3,526	6,600	142	76	9,774	610	387	871	17	428	107	190
109,648	364	1,894	.....	72,931	16,730	9,307	10,174	1,046	2,219	2,132	191
222	1,271	14	9	1,298	138	97	101	4	13	57	192
1,990	.....	57	.....	933	405	441	103	16	82	125	193
907	275	17	1	893	38	377	33	2	6	48	194
28,101	193	1,144	2	16,193	6,027	4,112	945	437	1,165	963	195
29,889	.....	608	.....	20,175	882	980	747	1,316	5,634	917	196
97,064	.....	3,494	.....	70,672	6,306	8,206	9,826	972	2,752	2,396	197
40,605	378	3,007	29	32,454	1,447	5,072	2,684	153	702	1,507	198
31,789	.....	898	.....	18,197	6,173	2,894	3,208	256	1,088	1,026	199
94,584	.....	7,729	.....	66,227	12,611	11,857	5,737	1,322	2,228	2,491	200
1,869	725	39	19	2,066	199	199	66	6	121	203	201
2,924	238	87	17	1,520	468	523	116	22	39	748	202
7,255	5	568	.....	6,741	210	313	286	61	132	115	203
19,682	6,725	620	78	22,882	2,127	1,686	1,871	243	1,281	746	204
49,069	65	4,000	8	45,228	898	3,373	1,948	362	898	733	205
2,982	273,455	405	3,816	239,583	16,200	9,300	7,109	1,659	7,051	4,499	206
218,695	63	4,310	2	107,993	25,462	10,027	47,436	4,829	5,676	32,805	207
2,121	76	40	.....	1,546	94	417	83	24	45	294	208
5,056	361	96	1	5,126	227	135	162	9	94	50	209
7,733	18	446	1	6,759	224	298	628	22	140	127	210

TABLE CIII.—OCCUPATIONS—*The United States by classes and severally,*

	Occupations.	Persons occupied.	AGE AND SEX.			
			All ages.		10 to 15.	
			Male.	Female.	Male.	Female.
	MANUFACTURING, MECHANICAL, ETC.—continued.					
211	Oil-mill and refinery operatives	3,929	3,897	32	71	2
212	Oil-well operators and laborers	7,340	7,340	.....	131	.....
213	Organ makers	2,437	2,373	64	44	3
214	Painters and varnishers	128,556	128,290	266	859	8
215	Paperhangers	5,013	4,859	154	33	3
216	Paper-mill operatives	21,430	14,711	6,719	635	506
217	Pattern makers	5,822	5,822	.....	34	.....
218	Photographers	9,990	9,539	451	58	5
219	Pianoforte makers and tuners	5,413	5,376	37	100	2
220	Plasterers	22,083	22,083	.....	28	.....
221	Plumbers and gasfitters	19,383	19,383	.....	141	.....
222	Potters	7,233	6,644	589	581	131
223	Printers, lithographers, and stereotypers	72,726	69,270	3,456	1,922	100
224	Print-works operatives (*a*)	5,419	4,318	1,101	632	159
225	Publishers of books, maps, and newspapers	2,781	2,745	36	3	.....
226	Pump makers	1,366	1,366	.....	10	.....
227	Quarrymen	15,169	15,169	.....	1,330	.....
228	Quartz- and stamp-mill operatives and laborers	1,449	1,449	.....	19	.....
229	Rag pickers	2,206	1,430	776	96	82
230	Railroad builders and contractors (*b*)	1,206	1,206	.....	.....	.....
231	Roofers and slaters	4,026	4,026	.....	23	.....
232	Rope and cordage makers	3,514	3,040	474	311	61
233	Rubber-factory operatives	6,350	4,292	2,058	185	192
234	Sail and awning makers	2,950	2,843	107	85	7
235	Salt makers	1,431	1,390	41	38	7
236	Saw- and planing-mill operatives	77,050	77,050	.....	2,116	.....
237	Sawyers	5,195	5,195	.....	33	.....
238	Scale and rule makers	1,027	1,027	.....	39	.....
239	Screw makers	1,361	796	565	68	143
240	Sewing-machine factory operatives	2,725	2,664	61	120	2
241	Sewing-machine operators	7,505	1,700	5,805	66	276
242	Shingle and lath makers	5,166	5,125	41	259	6
243	Ship carpenters, calkers, riggers, and smiths	17,452	17,452	.....	29	.....
244	Shirt, cuff, and collar makers (*c*)	11,823	3,163	8,660	135	569
245	Silk-mill operatives	18,071	8,860	9,211	1,281	1,986
246	Starch makers	1,385	1,218	167	48	18
247	Stave, shook, and heading makers	4,061	4,061	.....	324	.....
248	Steam-boiler makers	12,771	12,771	.....	147	.....
249	Stove, furnace, and grate makers (*d*)	3,341	3,341	.....	80	.....
250	Straw workers	4,229	1,531	2,698	38	62
251	Sugar makers and refiners	2,327	2,313	14	14	1
252	Tailors and tailoresses (*c*)	133,756	81,658	52,098	1,169	3,768
253	Thread-mill operatives	3,259	1,148	2,111	199	239
254	Tinners and tinware makers	42,818	41,781	1,037	689	78
255	Tool and cutlery makers	13,749	13,214	535	526	76
256	Trunk, valise, and carpet-bag makers	3,013	2,958	55	176	7
257	Tobacco-factory operatives (*e*)	20,446	14,910	5,536	2,691	1,039
258	Umbrella and parasol makers	1,967	1,094	873	78	48
259	Upholsterers	10,443	9,901	542	115	13
260	Wheelwrights	15,592	15,592	.....	216	.....
261	Wire makers and workers	7,170	6,925	245	305	30
262	Woodchoppers	12,731	12,731	.....	146	.....
263	Wood turners, carvers, and woodenware makers	12,964	12,771	193	278	20
264	Woolen-mill operatives (*f*)	88,010	52,504	35,506	5,146	4,782
265	Others in manufacturing, mechanical, and mining industries.	13,542	10,511	3,031	268	310

a See "cotton-mill operatives" and "mill and factory operatives (not specified)".
b See "builders and contractors (not specified)" and "bridge builders and contractors".
c See "milliners, dressmakers, and seamstresses".
d See "iron and steel works operatives".
e See "cigar makers".
f See "carpet makers", "hosiery and knitting mill operatives," and "mill and factory operatives (not specified)".

with the age, sex, and nativity of persons occupied: 1880—Continued.

AGE AND SEX—continued.				NATIVITY.							
16 to 59.		60 and over.									
Male.	Female.	Male.	Female.	United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
3,751	26	75	4	2,498	420	650	158	26	67	110	211
7,134	.....	75	.....	6,164	426	161	232	22	279	56	212
2,264	60	65	1	1,838	80	178	113	77	98	53	213
124,003	253	3,428	5	97,767	6,177	10,260	6,334	1,758	3,138	3,122	214
4,693	147	133	4	4,038	176	328	290	12	62	107	215
13,595	6,124	481	89	14,315	3,753	703	1,135	80	1,081	363	216
5,364	.....	424	.....	4,104	196	456	638	68	164	196	217
9,316	443	165	3	8,261	110	520	465	110	299	225	218
5,015	35	261	.....	2,773	182	1,709	201	153	139	256	219
21,234	.....	821	.....	15,998	2,627	1,220	1,222	163	487	366	220
19,047	.....	195	.....	13,980	2,547	735	1,485	50	396	190	221
5,821	455	242	3	4,763	461	670	1,056	43	71	169	222
66,418	3,349	930	7	60,265	2,838	3,338	3,138	370	1,657	1,020	223
3,564	941	122	1	3,302	985	170	780	30	95	57	224
2,615	36	127	.....	2,326	93	104	139	9	64	46	225
1,230	.....	126	.....	1,174	23	80	38	9	24	18	226
13,358	.....	481	.....	8,226	3,068	742	1,624	546	567	396	227
1,424	.....	6	.....	805	128	92	142	51	101	130	228
1,163	610	171	84	643	255	291	33	3	8	973	229
1,157	.....	49	.....	875	143	28	67	39	40	14	230
3,899	.....	104	.....	2,534	602	255	475	12	88	60	231
2,578	409	151	4	2,339	367	456	161	19	55	117	232
3,994	1,857	113	9	4,143	1,230	486	298	15	109	69	233
2,557	96	201	4	2,168	215	111	167	92	90	107	234
1,322	34	30	.....	710	243	212	24	12	141	89	235
73,871	.....	1,063	.....	56,468	1,714	4,967	1,118	2,956	6,933	2,894	236
4,936	.....	226	.....	4,214	160	366	151	31	192	81	237
953	.....	35	.....	720	48	93	44	6	91	25	238
719	421	9	1	990	187	39	85	6	37	17	239
2,513	59	31	.....	2,024	209	230	126	26	71	39	240
1,615	5,514	19	15	5,345	795	386	257	15	103	604	241
4,736	35	130	.....	4,082	81	153	73	86	514	177	242
15,879	.....	1,544	.....	11,847	1,493	632	1,192	364	1,417	507	243
2,967	8,006	61	85	9,098	1,219	511	280	34	175	506	244
7,389	7,195	190	30	11,397	1,365	1,421	1,875	86	186	1,741	245
1,138	149	32	.....	823	263	157	58	13	39	32	246
3,693	.....	44	.....	3,511	72	180	43	38	174	43	247
12,431	.....	193	.....	6,943	2,683	841	1,668	76	348	212	248
3,203	.....	58	.....	2,302	323	427	128	52	41	68	249
1,439	2,605	54	31	3,857	122	35	92	17	81	25	250
2,219	13	80	.....	653	268	1,078	54	24	23	227	251
73,738	47,238	6,751	1,092	62,175	10,297	37,684	5,016	4,057	2,314	12,213	252
935	1,871	14	1	2,120	405	31	403	2	290	8	253
40,040	955	1,052	4	32,482	1,833	4,609	1,594	313	929	1,058	254
12,322	458	366	1	8,380	937	1,506	1,574	118	759	475	255
2,717	48	65	.....	1,935	161	629	81	5	55	147	256
12,006	4,433	213	64	18,670	402	663	141	30	82	458	257
951	816	65	9	1,392	252	168	90	1	11	53	258
9,538	512	248	17	6,497	603	2,043	515	201	209	375	259
14,098	.....	1,278	.....	12,350	681	1,453	333	45	425	305	260
6,514	215	106	.....	4,041	1,051	782	543	276	189	288	261
12,104	.....	481	.....	8,578	235	251	209	175	1,658	1,625	262
12,040	171	453	2	8,584	438	2,284	556	163	376	563	263
45,304	30,110	2,054	614	53,442	12,737	3,762	10,494	482	6,093	1,000	264
9,744	2,490	499	231	9,537	1,120	1,248	620	111	297	609	265

TABLE CIV.—OCCUPATIONS—*Number of persons engaged in the*

	Occupations.	United States.	Ala.	Ariz.	Ark.
	ALL OCCUPATIONS	17,392,099	492,790	22,271	260,692
	AGRICULTURE	7,670,493	380,630	3,135	216,655
1	Agricultural laborers (*a*)	3,323,876	235,777	596	107,479
2	Farmers and planters	4,225,945	143,811	1,725	108,775
3	Gardeners, nurserymen, and vine-growers	51,482	801	53	239
4	Stock raisers, drovers, and herders	44,075	100	1,039	56
5	Turpentine farmers and laborers	7,450	1	.....	.....
6	Others in agriculture	17,665	140	22	106
	PROFESSIONAL AND PERSONAL SERVICES	4,074,238	72,211	8,210	23,466
7	Artists and teachers of art	9,104	47	8	37
8	Barbers and hairdressers	44,851	306	59	208
9	Boarding- and lodging-house keepers	19,058	108	8	152
10	Clergymen	64,698	1,215	26	940
11	Clerks and copyists (not specified)	25,467	38	13	7
12	Dentists	12,314	167	7	79
13	Domestic servants	1,075,655	20,386	466	6,225
14	Engineers (civil)	8,261	73	29	80
15	Hotel and restaurant keepers and employés	133,856	825	311	795
16	Journalists	12,308	75	15	81
17	Laborers	1,859,223	36,266	4,784	7,764
18	Launderers and laundresses	121,942	4,820	356	1,205
19	Lawyers	64,137	798	118	745
20	Livery-stable keepers and hostlers	45,910	356	76	167
21	Musicians and teachers of music	30,477	180	26	90
22	Officers, soldiers, and sailors (United States army and navy) (*b*)	26,761	83	1,562	125
23	Officials and employés (civil) of government (*c*)	115,531	1,291	135	1,005
24	Physicians and surgeons	85,671	1,552	71	1,892
25	Teachers	227,710	2,952	60	1,538
26	Watchmen (private) and detectives	13,384	119	4	43
27	Others in professional and personal service	77,920	554	76	288
	TRADE AND TRANSPORTATION	1,810,256	16,953	3,252	9,233
	Trade.				
28	Agents (not specified)	18,523	87	16	66
29	Clerks, salesmen, and accountants in stores	445,513	4,644	404	2,501
30	Commercial travelers, hucksters, and peddlers	81,649	482	33	244
31	In banking and brokerage of money and stocks	30,928	148	25	68
32	In insurance	17,750	70	2	26
33	Saloon keepers and bartenders	63,461	336	208	328
34	Traders and dealers	481,450	5,331	631	3,807
	Transportation.				
35	Draymen, hackmen, teamsters, etc	177,586	1,430	746	576
36	Officials and employés of express companies	14,860	56	11	19
37	Officials and employés of railroad companies	250,458	2,642	1,004	1,134
38	Officials and employés of street railroad companies	11,925	21	.....	16
39	Officials and employés of telegraph companies	22,809	179	36	75
40	Officials and employés of trading and transportation companies	9,702	57	5	14
41	Sailors, steamboatmen, canalmen, pilots, and watermen (*b*)	100,902	698	18	208
42	Others in trade and transportation	77,740	772	113	151
	MANUFACTURING, MECHANICAL, AND MINING	3,837,112	22,996	7,374	11,338
43	Apprentices to trades (*d*)	44,170	157	8	25
44	Bakers	41,309	160	66	90
45	Blacksmiths	172,726	2,068	355	1,566

a In agricultural districts many enumerators have reported "agricultural laborers" simply as "laborers".

b In a census of the United States "sailors" at sea, when the enumeration is taken, are liable to be omitted, unless they are actual members of families which are enumerated.

c Including national, state, county, city, and town governments.

d In 1870 "apprentices" were, as far as possible, included in the account of their respective trades. Only those whose avocations could not be separately determined were reported under the title "apprentices (not specified)".

principal (selected) occupations, by states and territories: 1880.

Cal.	Colo.	Conn.	Dak.	Del.	D. C.	Fla.	Ga.	Idaho.	Ill.	Ind.	Iowa.	
376,505	101,251	241,333	57,844	54,580	66,624	91,536	597,862	15,578	999,780	635,080	528,302	
79,396	13,539	44,026	28,508	17,849	1,464	58,731	432,204	3,858	436,371	331,240	303,557	
23,856	2,540	15,704	5,306	8,793	410	32,259	284,060	593	150,907	118,807	88,399	1
43,489	6,511	27,006	22,740	8,840	333	25,505	145,062	2,491	281,100	210,279	211,862	2
4,396	254	1,134	59	143	422	403	632	58	3,079	1,469	1,562	3
4,967	4,068	22	383	10	18	211	52	705	529	158	1,054	4
.....	.....	.....	.....	.....	.....	275	2,098	.....	.....	.....	.....	5
2,688	166	160	20	63	281	78	300	11	756	527	680	6
121,435	24,813	51,296	14,016	17,616	39,975	17,923	104,269	3,861	229,467	137,281	103,932	
380	51	159	2	11	101	14	61	.....	638	236	226	7
1,918	396	690	134	135	386	109	455	36	3,202	1,737	1,279	8
855	415	358	136	17	149	62	232	12	1,509	514	478	9
939	234	1,055	180	209	250	420	1,747	39	4,208	2,409	2,468	10
1,223	54	292	25	25	412	29	246	1	1,671	364	314	11
413	94	243	25	34	75	68	205	8	778	452	370	12
22,858	2,575	16,135	1,877	5,276	12,144	4,375	33,139	410	56,914	29,131	22,222	13
390	273	120	85	19	56	58	37	13	299	153	198	14
6,240	2,358	1,573	857	266	1,565	387	1,496	150	7,966	3,360	4,411	15
503	152	177	66	25	192	33	175	3	937	483	516	16
57,510	12,902	19,142	6,434	9,565	9,402	8,873	47,219	2,142	104,267	69,909	44,267	17
7,013	746	965	180	290	2,822	1,138	7,936	109	3,718	2,043	1,087	18
1,899	807	796	300	127	918	306	1,432	61	4,025	2,904	2,610	19
1,932	527	1,179	157	139	257	91	454	44	2,500	1,485	1,571	20
1,497	260	612	102	59	243	44	269	23	2,240	1,024	1,053	21
1,654	165	128	2,276	12	610	79	281	463	119	69	17	22
3,789	734	1,336	359	294	7,866	521	2,072	131	7,256	3,912	3,016	23
1,851	570	952	212	217	423	374	1,995	51	5,899	4,993	3,035	24
4,788	580	3,720	401	577	864	618	3,633	106	16,104	10,407	13,601	25
419	42	368	14	50	213	58	178	4	831	220	126	26
3,364	878	1,296	194	269	1,027	266	1,007	55	4,386	1,476	1,067	27
57,392	15,491	29,920	6,219	4,967	9,848	6,446	25,222	1,327	128,372	56,432	50,872	
532	99	249	64	54	120	26	183	4	1,365	754	695	28
11,835	2,846	7,900	849	1,111	2,737	1,219	6,898	165	30,199	11,695	9,572	29
2,974	233	1,662	38	245	683	105	940	20	5,672	2,735	1,803	30
1,431	415	656	87	74	152	38	293	7	1,967	756	1,088	31
568	72	514	28	23	77	12	131	3	1,310	623	696	32
4,063	1,077	1,189	333	113	250	103	399	80	5,775	2,272	1,858	33
14,920	3,565	7,054	1,459	1,533	2,997	1,521	7,609	315	33,685	17,034	15,851	34
6,007	2,562	2,954	1,042	305	1,109	463	1,851	324	10,711	5,533	4,141	35
647	162	310	17	18	100	17	145	6	1,499	391	334	36
3,961	3,364	3,330	1,882	466	296	1,022	4,553	116	20,587	11,237	12,559	37
615	31	118	1	8	218	.....	55	.....	979	119	47	38
577	205	331	52	70	181	62	314	11	2,140	1,062	820	39
528	79	55	8	9	19	161	133	5	135	50	14	40
5,523	42	2,025	131	816	350	1,520	376	26	5,606	724	411	41
3,211	739	1,573	228	122	559	177	1,342	245	6,742	1,447	983	42
118,282	47,408	116,091	9,101	14,148	15,337	8,436	36,167	6,532	205,570	110,127	69,941	
1,017	53	742	4	451	422	114	367	2	2,609	1,084	760	43
1,368	330	587	75	160	383	79	276	17	2,485	1,051	694	44
4,689	1,295	2,855	586	699	554	363	2,898	222	10,991	7,518	5,152	45

TABLE CIV.—OCCUPATIONS—*Number of persons engaged in the*

	Occupations.	Kans.	Ky.	La.	Me.
	ALL OCCUPATIONS	322,285	519,854	363,228	231,993
	AGRICULTURE	206,080	320,571	205,306	82,130
1	Agricultural laborers	54,902	147,247	145,735	21,868
2	Farmers and planters	147,614	171,625	56,598	59,884
3	Gardeners, nurserymen, and vine-growers	877	1,188	1,585	279
4	Stock raisers, drovers, and herders	2,538	108	142	40
5	Turpentine farmers and laborers	.....	.....	1	.....
6	Others in agriculture	149	403	1,245	59
	PROFESSIONAL AND PERSONAL SERVICES	53,507	104,239	98,111	47,411
7	Artists and teachers of art	74	126	54	119
8	Barbers and hairdressers	677	784	719	482
9	Boarding- and lodging-house keepers	367	214	274	311
10	Clergymen	1,676	1,999	852	1,008
11	Clerks and copyists (not specified)	100	206	294	230
12	Dentists	173	240	146	198
13	Domestic servants	9,870	36,704	22,279	9,834
14	Engineers (civil)	159	162	112	79
15	Hotel and restaurant keepers and employés	2,542	2,196	1,268	1,417
16	Journalists	245	233	146	106
17	Laborers	22,881	40,803	57,522	22,240
18	Launderers and laundresses	1,387	4,680	5,202	278
19	Lawyers	1,492	1,981	828	725
20	Livery-stable keepers and hostlers	1,142	1,285	658	828
21	Musicians and teachers of music	434	469	352	447
22	Officers, soldiers, and sailors (United States army and navy)	417	87	194	276
23	Officials and employés (civil) of government	1,993	2,839	2,066	1,313
24	Physicians and surgeons	1,964	2,985	1,033	969
25	Teachers	5,291	4,808	2,375	5,663
26	Watchmen (private) and detectives	39	176	285	144
27	Others in professional and personal service	584	1,262	1,452	744
	TRADE AND TRANSPORTATION	26,379	33,563	29,130	29,790
	Trade.				
28	Agents (not specified)	323	318	174	191
29	Clerks, salesmen, and accountants in stores	4,995	7,783	10,117	4,582
30	Commercial travelers, hucksters, and peddlers	820	1,294	1,206	1,265
31	In banking and brokerage of money and stocks	559	531	446	274
32	In insurance	166	288	133	208
33	Saloon keepers and bartenders	777	1,191	1,188	151
34	Traders and dealers	8,779	11,296	7,584	6,621
	Transportation.				
35	Draymen, hackmen, teamsters, etc	2,175	3,282	2,222	2,585
36	Officials and employés of express companies	141	286	20	152
37	Officials and employés of railroad companies	6,741	4,180	979	1,896
38	Officials and employés of street railroad companies	7	163	177	32
39	Officials and employés of telegraph companies	358	274	165	218
40	Officials and employés of trading and transportation companies	20	39	220	222
41	Sailors, steamboatmen, canalmen, pilots, and watermen	68	1,062	2,443	10,850
42	Others in trade and transportation	450	1,576	2,056	543
	MANUFACTURING, MECHANICAL, AND MINING	36,319	61,481	30,681	72,662
43	Apprentices to trades	264	603	666	400
44	Bakers	351	604	971	269
45	Blacksmiths	3,106	5,099	1,664	2,766

principal (selected) occupations, by states and territories : 1880—Continued.

Md.	Mass.	Mich.	Minn.	Miss.	Mo.	Mont.	Nebr.	Nev.	N. H.	N. J.	N. Mex.	
324, 432	720, 774	569, 204	255, 125	415, 506	692, 959	22, 255	152, 614	32, 233	142, 468	396, 879	40, 822	
90, 927	64, 973	240, 319	131, 535	339, 938	355, 297	4, 513	90, 507	4, 180	44. 490	59, 214	14, 139	
51, 236	22, 553	70, 845	33, 993	215, 472	115, 325	926	19, 058	1, 188	13, 893	22, 672	4, 005	1
37, 754	39, 266	167, 141	96, 648	123, 382	237, 107	2, 358	68, 657	2, 032	30, 371	33, 578	6, 924	2
1, 270	2, 332	1, 836	510	620	1, 722	48	335	116	163	2, 113	70	3
108	115	234	205	93	337	1, 118	2, 379	797	25	115	3, 124	4
1	.....	.....	.....	248	.....	.....	.....	.....	.....	.....	.....	5
558	707	263	179	123	806	63	78	47	38	736	12	6
98, 934	170, 160	143, 249	59, 452	49, 448	148, 588	6, 954	28, 746	10, 373	28, 206	110, 722	19, 042	
131	874	311	81	29	280	6	64	12	61	297	3	7
1, 199	2, 462	1, 480	506	237	1, 840	59	331	207	268	1, 457	40	8
243	1, 382	883	379	132	1, 000	37	205	169	233	465	13	9
1, 173	2, 397	2, 148	1, 132	1, 304	2, 558	58	744	35	646	1, 654	81	10
492	1, 777	625	265	126	1, 209	9	197	28	189	1, 378	13	11
255	717	480	157	146	408	13	93	21	139	325	8	12
35, 434	52, 799	28, 862	15, 356	15, 769	35, 982	529	5, 213	1, 608	7, 538	29, 777	1, 758	13
110	412	273	149	46	352	41	115	44	56	288	51	14
2, 807	6, 889	5, 310	3, 025	672	5, 309	377	1, 495	691	1, 202	3, 419	277	15
190	698	358	229	99	585	21	179	34	71	427	16	16
38, 077	60, 230	79, 053	27, 636	20, 222	66, 323	2, 931	11, 812	5, 223	10, 651	52, 707	14, 979	17
5, 093	3, 636	1, 293	480	2, 921	5, 025	203	347	794	268	2, 479	559	18
1, 087	1, 984	2, 097	906	820	2, 907	77	840	119	382	1, 557	128	19
961	3, 825	1, 401	721	261	2, 209	125	607	181	464	1, 158	42	20
688	2, 463	1, 112	348	131	1, 118	32	233	70	254	883	139	21
365	580	380	252	11	88	1, 812	769	196	44	198	372	22
2, 706	6, 274	3, 089	1, 456	1, 136	4, 322	202	1, 069	338	724	2, 875	213	23
1, 551	2, 845	2, 924	914	1, 682	4, 550	77	807	134	610	1, 595	80	24
3, 687	10, 115	9, 038	4, 570	3, 110	8, 904	120	2, 866	226	3, 880	4, 606	154	25
257	1, 109	295	98	28	504	11	33	61	150	578	1	26
2, 428	6, 692	1, 837	792	566	3, 115	214	727	182	376	2, 599	115	27
49, 234	115, 376	54, 723	24, 349	12, 975	79, 300	2, 766	15, 106	4, 449	11, 735	66, 382	3, 264	
381	1, 118	645	386	124	657	7	185	4	104	571	7	28
12, 217	33, 033	12, 580	5, 208	3, 756	19, 674	444	2, 818	623	2, 600	16, 075	484	29
2, 662	5, 568	3, 154	1, 007	335	3, 901	32	473	79	659	2, 653	25	30
482	2, 148	849	512	114	998	33	291	61	198	1, 571	25	31
264	1, 200	618	321	34	596	4	127	22	101	855	1	32
1, 276	2, 474	2, 197	1, 239	323	3, 486	232	553	511	192	2, 674	126	33
12, 580	28, 784	14, 174	5, 608	4, 408	19, 790	562	4, 443	920	3, 179	17, 943	676	34
4, 330	12, 988	5, 015	2, 112	866	8, 722	975	1, 178	935	1, 427	5, 163	467	35
231	1, 813	335	211	27	571	8	115	35	158	821	5	36
3, 761	9, 867	9, 098	6, 399	1, 952	13, 365	46	4, 183	990	2, 389	7, 234	1, 060	37
258	1, 347	160	22	2	693	.....	33	.....	9	523	.....	38
453	1, 080	852	205	117	1, 061	26	254	73	131	932	41	39
628	421	192	10	27	127	5	16	5	9	347	4	40
7, 413	8, 166	3, 184	524	602	2, 236	117	106	23	226	6, 061	13	41
2, 298	5, 369	1, 670	585	288	3, 423	275	331	168	353	2, 959	330	42
85, 337	370, 265	130, 913	39, 789	13, 145	109, 774	8, 022	18, 255	13, 231	58, 037	160, 561	4, 377	
1, 778	2, 275	1, 066	480	100	1, 474	8	179	21	217	1, 889	35	43
1, 418	2, 441	888	262	160	1, 519	40	193	82	164	2, 135	55	44
3, 657	6, 307	6, 338	2, 610	1, 301	6, 994	296	1, 564	517	1, 552	4, 928	277	45

TABLE CIV.—OCCUPATIONS—*Number of persons engaged in the*

	Occupations.	N. Y.	N. C.	Ohio.	Oreg.
	ALL OCCUPATIONS	1,884,645	480,187	994,475	67,343
	AGRICULTURE	377,460	360,937	397,495	27,091
1	Agricultural laborers	125,685	201,774	131,387	6,598
2	Farmers and planters	241,507	155,985	261,370	18,374
3	Gardeners, nurserymen, and vine-growers	8,013	330	3,608	267
4	Stock raisers, drovers, and herders	351	34	60	1,768
5	Turpentine farmers and laborers	2	2,457	5	.....
6	Others in agriculture	1,902	357	1,065	84
	PROFESSIONAL AND PERSONAL SERVICES	537,897	69,321	250,371	16,645
7	Artists and teachers of art	2,466	48	597	42
8	Barbers and hairdressers	8,352	299	3,280	167
9	Boarding- and lodging-house keepers	2,838	115	1,091	133
10	Clergymen	6,701	1,500	4,393	250
11	Clerks and copyists (not specified)	6,728	25	1,720	78
12	Dentists	1,809	157	895	75
13	Domestic servants	164,192	28,683	59,841	1,899
14	Engineers (civil)	1,082	73	432	89
15	Hotel and restaurant keepers and employés	25,385	854	7,912	693
16	Journalists	2,111	119	815	51
17	Laborers	199,409	25,985	119,129	9,709
18	Launderers and laundresses	16,610	3,542	3,924	415
19	Lawyers	9,459	772	4,489	311
20	Livery-stable keepers and hostlers	6,824	326	3,207	216
21	Musicians and teachers of music	6,328	128	992	127
22	Officers, soldiers, and sailors (United States army and navy)	4,114	53	573	141
23	Officials and employés (civil) of government	16,434	1,790	6,793	512
24	Physicians and surgeons	9,272	1,360	6,393	425
25	Teachers	26,693	2,842	19,175	1,013
26	Watchmen (private) and detectives	2,997	102	684	43
27	Others in professional and personal service	18,093	548	4,036	256
	TRADE AND TRANSPORTATION	339,419	15,966	104,315	6,149
	Trade.				
28	Agents (not specified)	3,667	44	1,562	66
29	Clerks, salesmen, and accountants in stores	97,389	3,938	26,088	1,126
30	Commercial travelers, hucksters, and peddlers	16,748	597	6,321	112
31	In banking and brokerage of money and stocks	7,744	112	1,565	107
32	In insurance	3,949	61	1,529	38
33	Saloon keepers and bartenders	14,357	171	4,354	446
34	Traders and dealers	82,934	5,696	25,333	1,705
	Transportation.				
35	Draymen, hackmen, teamsters, etc	33,067	1,279	11,769	905
36	Officials and employés of express companies	3,188	58	985	38
37	Officials and employés of railroad companies	26,116	1,922	17,990	934
38	Officials and employés of street railroad companies	3,424	.....	689	3
39	Officials and employés of telegraph companies	4,291	116	669	62
40	Officials and employés of trading and transportation companies	4,127	155	133	49
41	Sailors, steamboatmen, canalmen, pilots, and watermen	20,197	1,406	2,136	388
42	Others in trade and transportation	18,221	411	3,192	170
	MANUFACTURING, MECHANICAL, AND MINING	629,869	33,963	242,294	17,458
43	Apprentices to trades	9,127	275	3,525	131
44	Bakers	10,006	103	2,983	106
45	Blacksmiths	20,156	2,483	14,623	806

principal (selected) occupations, by states and territories: 1880—Continued.

Pa.	R. I.	S. C.	Tenn.	Tex.	Utah.	Vt.	Va.	Wash.	W. Va.	Wis.	Wyo.	
1,456,067	116,979	392,102	447,970	522,133	40,055	118,584	494,240	30,122	176,199	417,455	8,884	
301,112	10,945	294,602	294,153	359,317	14,550	55,251	254,099	12,781	107,578	195,901	1,639	
100,381	3,913	198,147	138,185	143,812	4,137	19,215	132,820	3,034	41,767	56,170	443	1
195,370	6,342	93,550	154,192	200,404	9,130	35,751	119,623	9,028	65,497	138,443	911	2
3,623	548	323	1,528	783	2	221	1,152	120	199	990	7	3
607	13	33	51	14,031	1,228	15	133	502	40	84	275	4
3	.....	2,357	.....	.....	.....	.....	2	.....	.....	.....	.....	5
1,128	129	192	197	287	53	49	369	97	75	214	3	6
446,713	24,657	64,246	94,107	97,561	11,144	28,174	146,664	6,640	31,680	97,494	4,011	
914	95	25	64	60	13	44	48	7	33	154	1	7
5,068	374	269	517	726	72	202	572	48	226	861	20	8
1,636	205	107	292	420	24	77	201	52	86	454	15	9
5,388	335	1,165	1,858	2,161	48	671	1,758	128	805	1,715	18	10
2,981	227	169	294	271	40	228	261	36	109	447	1	11
1,425	85	116	218	246	26	132	215	18	92	264	4	12
111,267	7,136	18,463	26,686	19,084	1,701	9,169	49,024	819	8,169	25,574	503	13
990	104	58	125	329	56	39	173	44	88	215	32	14
14,525	1,004	739	1,373	2,237	285	1,076	1,764	342	729	3,379	103	15
1,005	78	51	156	247	24	49	154	20	66	290	2	16
236,643	9,259	32,486	45,970	48,263	6,912	11,085	73,253	2,809	15,698	47,328	1,549	17
5,479	646	4,733	5,043	4,775	192	122	6,114	185	387	650	52	18
4,992	237	614	1,506	2,109	119	424	1,355	113	629	1,198	34	19
4,177	576	263	553	718	50	344	581	113	132	1,009	18	20
3,222	317	106	319	555	61	197	248	42	102	836	2	21
555	266	7	8	4,060	417	6	640	908	10	32	1,287	22
9,863	813	1,077	2,034	3,062	265	565	2,538	307	893	2,055	198	23
7,042	396	919	2,688	3,003	139	659	1,898	152	939	1,549	30	24
18,721	1,353	2,170	3,548	4,334	444	2,777	4,571	401	2,159	8,086	61	25
1,891	230	159	152	96	4	56	205	11	44	240	12	26
8,929	921	550	703	805	252	252	1,091	85	284	1,158	69	27
179,965	15,217	13,556	23,628	34,909	4,149	8,945	30,418	3,405	10,653	37,550	1,545	
2,216	151	88	152	190	27	45	170	20	97	516	3	28
44,204	4,276	3,917	5,721	7,458	895	1,635	6,956	331	2,097	7,785	133	29
8,041	852	490	870	1,060	88	542	977	16	270	1,659	4	30
2,804	282	134	250	406	52	152	351	39	117	509	7	31
1,756	182	55	99	133	3	116	183	8	43	500	2	32
6,159	445	200	639	1,259	152	75	440	193	203	2,321	73	33
48,131	4,067	3,794	7,808	10,964	830	2,553	9,268	567	3,111	9,845	185	34
18,859	2,063	1,309	2,032	3,370	707	1,129	2,288	340	826	3,087	360	35
786	269	60	200	130	23	57	90	7	35	272	1	36
27,290	858	2,035	3,856	7,335	897	2,073	5,032	1,067	3,037	7,030	693	37
1,690	175	34	71	72	3	.....	25	.....	14	70	1	38
3,227	127	114	219	316	101	137	248	29	155	590	53	39
906	62	227	24	166	9	4	154	44	12	66	.....	40
6,210	678	691	625	673	10	92	3,197	640	458	1,930	3	41
7,686	730	408	1,062	1,377	352	335	1,039	104	178	1,370	27	42
528,277	66,160	19,698	36,082	30,346	10,212	26,214	63,059	7,296	26,288	86,510	1,689	
8,907	419	449	244	222	138	112	492	5	86	768	.....	43
6,025	349	289	215	506	57	104	405	37	145	584	22	44
20,276	1,134	1,404	4,078	2,814	582	1,455	4,670	294	2,013	5,004	117	45

TABLE CIV.—OCCUPATIONS—*Number of persons engaged in the*

	Occupations.	United States.	Ala.	Ariz.	Ark.
	MANUFACTURING, MECHANICAL, AND MINING—continued.				
46	Bleachers, dyers, and scourers	8,222	18	.....	5
47	Bookbinders and finishers	13,833	16	.....	6
48	Boot and shoe makers	194,079	721	74	294
49	Brass founders and workers	11,568	4	1	.....
50	Brewers and maltsters	16,278	6	47	.....
51	Brick and stone masons, marble and stone cutters	135,315	696	147	413
52	Brick and tile makers (*a*)	36,052	252	4	168
53	Broom and brush makers	8,479	7	.....	10
54	Butchers	76,241	325	127	231
55	Cabinet makers and upholsterers	61,097	194	18	139
56	Carpenters and joiners	373,143	3,043	594	2,317
57	Carriage, car, and wagon makers	54,589	200	27	203
58	Cigar makers and tobacco workers	77,045	101	14	50
59	Clerks and bookkeepers in manufacturing establishments	10,114	44	11	5
60	Clock and watch makers and repairers	13,820	48	8	32
61	Confectioners	13,692	65	6	36
62	Coopers	49,138	147	11	56
63	Cotton, silk, and woolen mill operatives (*b*)	310,533	2,706	1	32
64	Curriers, tanners, dressers, and finishers of leather	29,842	144	.....	19
65	Engineers and firemen	79,628	488	209	379
66	Fishermen and oystermen	41,352	296	.....	104
67	Glass-works operatives	17,934	.....	1	2
68	Gold and silver workers and jewelers	28,405	96	23	83
69	Gun- and lock-smiths	10,572	73	11	50
70	Harness, saddle, and trunk makers	42,973	138	43	154
71	Hat and cap makers	16,860	2	1	.....
72	Iron and steel works and shops operatives (*c*)	114,539	352	21	25
73	Lumbermen, rattsmen, and woodchoppers	43,382	1,043	101	350
74	Machinists	101,130	521	119	302
75	Manufacturers and officials in manufacturing companies	52,217	118	29	52
76	Millers	53,440	1,083	41	500
77	Miners	234,228	1,004	4,678	17
78	Painters and varnishers	128,556	406	78	315
79	Paper-mill operatives	21,430	1	.....	.....
80	Photographers	9,990	84	11	87
81	Piano and organ makers and tuners	7,850	6	.....	1
82	Plasterers	22,083	141	15	80
83	Plumbers and gasfitters	19,383	32	6	15
84	Potters	7,233	47	.....	38
85	Printers	72,726	327	84	328
86	Quarrymen	15,169	106	.....	48
87	Rubber factory operatives	6,350	.....	.....	.....
88	Saw-mill operatives	77,050	1,065	54	733
89	Ship carpenters, calkers, riggers, and smiths	17,452	68	1	8
90	Shirt, collar, and cuff makers	11,823	3	.....	2
91	Steam-boiler makers	12,771	36	4	13
92	Tailors, tailoresses, milliners, and dressmakers	419,157	2,168	125	731
93	Tinners	42,818	176	41	115
94	Tool and cutlery makers	13,749	1	3	.....
95	Wheelwrights	15,592	150	30	46
96	Wire makers and workers	7,170	3	.....	1
97	Wood turners, carvers, and workers	12,964	45	3	32
98	Employés of manufacturing companies (not specified)	34,536	51	.....	21
99	Mill and factory operatives (not specified)	30,836	482	35	309
100	Others in manufacturing and mining	242,479	1,202	88	760

a The unskilled workmen employed in brick-yards are generally reported as common "laborers".

b In addition to these, the "mill and factory operatives (not specified)" are almost without exception workers in "textile" establishments, while many "hat and cap makers" and "glove makers" might be included in this class, could the numbers engaged in making "woolen" hats, caps, or gloves be separately ascertained. There are also the "watchmen" and "laborers" reported under their respective titles, and the large number of women and children working in the factories who have not so reported themselves to the enumerators, and are consequently not included in the tables.

c Largely reported as "operatives" or laborers without distinction of trade.

principal (selected) occupations, by states and territories: 1880—Continued.

Cal.	Colo.	Conn.	Dak.	Del.	D. C.	Fla.	Ga.	Idaho.	Ill.	Ind.	Iowa.	
121	11	461	.....	21	50	3	27	.....	179	74	51	46
225	30	172	7	10	212	1	35	1	839	159	163	47
4,577	470	2,593	166	386	612	162	1,169	59	6,538	4,045	2,489	48
170	6	4,146	.....	4	56	.....	5	.....	395	67	18	49
749	154	120	42	17	63	1	25	32	1,170	463	492	50
1,565	1,166	3,110	286	412	946	201	1,253	68	7,535	3,953	3,653	51
709	638	489	110	248	352	42	434	8	2,805	2,563	1,154	52
135	14	65	3	14	13	1	11	2	593	321	180	53
3,301	665	1,280	178	284	552	149	505	101	6,132	2,263	2,062	54
1,378	168	740	39	198	281	59	379	16	4,841	3,743	992	55
9,056	3,773	6,574	1,599	1,698	1,729	1,404	4,991	405	22,972	15,594	11,131	56
844	168	1,508	106	453	100	34	363	23	4,425	3,695	1,883	57
3,217	81	739	28	118	157	1,293	102	3	3,494	1,137	840	58
281	20	253	10	107	33	17	132	2	540	174	103	59
314	68	2,868	26	22	46	25	74	9	1,912	151	120	60
277	50	150	17	69	171	16	146	4	915	343	223	61
553	35	177	22	109	69	69	293	11	3,989	3,173	971	62
776	16	24,435	6	1,383	10	34	4,512	7	1,602	2,263	611	63
712	20	218	2	563	6	5	128	3	1,105	324	24	64
2,874	1,078	1,277	201	241	412	222	689	69	5,694	2,869	1,533	65
3,010	5	1,260	4	180	80	309	170	6	428	162	108	66
92	7	748	3	.....	1	.....	2	.....	616	551	11	67
550	159	1,086	79	37	69	32	174	9	1,236	518	527	68
222	45	2,525	12	8	43	19	70	3	434	240	147	69
1,138	304	676	133	82	110	34	494	25	3,311	2,091	1,928	70
69	2	3,459	2	9	2	6	6	.....	76	23	8	71
1,099	177	5,297	18	561	125	11	923	8	6,283	2,579	538	72
4,433	558	248	144	31	16	655	1,080	224	767	543	365	73
1,824	615	4,268	152	569	293	171	701	47	5,797	2,701	1,139	74
1,203	255	1,945	35	206	88	55	273	20	2,637	1,274	615	75
547	250	525	142	259	67	141	1,500	35	3,353	2,969	1,943	76
37,147	28,970	358	3,570	37	12	29	461	4,708	13,098	3,684	3,451	77
3,323	708	3,288	217	624	889	207	921	45	10,026	4,757	3,160	78
160	40	1,394	.....	140	15	.....	168	.....	561	389	95	79
362	119	205	26	21	81	21	86	7	778	433	444	80
67	11	452	.....	2	11	2	14	.....	207	128	30	81
586	283	91	76	98	437	33	195	9	2,047	1,709	1,097	82
841	130	475	6	56	367	8	82	3	1,096	231	159	83
58	6	106	5	7	11	1	31	2	369	160	183	84
2,232	644	996	194	156	1,199	148	704	35	5,174	1,971	1,988	85
90	71	1,148	2	85	10	.....	57	.....	884	434	326	86
3	1	1,676	.....	.....	.....	.....	.....	.....	3	.....	3	87
1,281	407	289	74	155	36	828	2,221	100	2,498	4,004	2,481	88
719	3	394	8	349	80	101	45	4	318	258	38	89
437	8	685	.....	8	4	.....	1	.....	299	88	59	90
411	73	197	10	126	36	5	36	2	837	381	193	91
9,516	1,168	6,644	378	1,237	2,827	505	3,958	79	30,207	11,420	9,128	92
1,141	246	1,069	86	230	274	56	271	22	2,985	1,300	1,018	93
111	11	3,304	.....	11	8	7	6	.....	291	89	72	94
317	21	421	12	232	84	73	315	11	248	749	82	95
53	1	450	1	1	3	1	.....	.....	304	7	112	96
250	23	445	9	36	23	12	35	1	813	364	45	97
627	49	3,025	1	234	39	6	107	2	1,593	441	252	98
675	76	994	12	131	7	226	975	1	1,746	768	264	99
4,780	1,653	10,389	177	563	761	410	1,271	60	10,490	5,684	2,653	100

TABLE CIV.—OCCUPATIONS—*Number of persons engaged in the*

	Occupations.	Kans.	Ky.	La.	Me.
	MANUFACTURING, MECHANICAL, AND MINING—continued.				
46	Bleachers, dyers, and scourers	10	36	30	256
47	Bookbinders and finishers	74	176	61	58
48	Boot and shoe makers	1,035	2,354	1,476	5,048
49	Brass founders and workers	3	100	37	35
50	Brewers and maltsters	90	256	48	14
51	Brick and stone masons, marble and stone cutters	2,999	2,533	1,056	3,399
52	Brick and tile makers	502	795	152	387
53	Broom and brush makers	110	119	61	168
54	Butchers	1,085	947	1,148	643
55	Cabinet makers and upholsterers	400	1,199	386	424
56	Carpenters and joiners	7,119	6,730	4,773	6,678
57	Carriage, car, and wagon makers	837	1,331	118	775
58	Cigar makers and tobacco workers	320	2,717	1,082	171
59	Clerks and bookkeepers in manufacturing establishments	40	111	42	93
60	Clock and watch makers and repairers	58	128	106	146
61	Confectioners	139	308	163	163
62	Coopers	225	1,464	1,720	987
63	Cotton, silk, and woolen mill operatives	182	738	122	14,533
64	Curriers, tanners, dressers, and finishers of leather	7	357	47	812
65	Engineers and firemen	701	1,293	1,159	726
66	Fishermen and oystermen	65	175	726	4,244
67	Glass-works operatives	2	300	1	11
68	Gold and silver workers and jewelers	232	475	172	253
69	Gun- and lock-smiths	75	170	129	36
70	Harness, saddle, and trunk makers	871	1,141	325	674
71	Hat and cap makers	4	21	17	88
72	Iron and steel works and shops operatives	618	2,183	299	757
73	Lumbermen, raftsmen, and woodchoppers	110	238	708	1,307
74	Machinists	673	972	468	1,467
75	Manufacturers and officials in manufacturing companies	168	557	167	718
76	Millers	1,119	1,533	128	458
77	Miners	3,306	2,580	12	543
78	Painters and varnishers	1,545	2,237	1,054	1,950
79	Paper-mill operatives	12	186	.....	700
80	Photographers	245	157	93	138
81	Piano and organ makers and tuners	9	29	26	44
82	Plasterers	864	627	231	72
83	Plumbers and gasfitters	48	215	114	113
84	Potters	45	79	9	45
85	Printers	1,069	1,208	701	757
86	Quarrymen	137	129	.....	615
87	Rubber factory operatives	.....	.....	.....	5
88	Saw-mill operatives	267	1,574	503	3,463
89	Ship carpenters, calkers, riggers, and smiths	3	120	310	1,971
90	Shirt, collar, and cuff makers	22	75	14	41
91	Steam-boiler makers	79	145	168	79
92	Tailors, tailoresses, milliners, and dressmakers	3,250	8,205	4,663	7,207
93	Tinners	538	780	404	507
94	Tool and cutlery makers	6	73	3	250
95	Wheelwrights	59	126	188	247
96	Wire makers and workers	10	98	.....	48
97	Wood turners, carvers, and workers	21	262	40	337
98	Employés of manufacturing companies (not specified)	53	598	141	586
99	Mill and factory operatives (not specified)	86	957	153	648
100	Others in manufacturing and mining	1,051	3,258	1,626	3,332

principal (selected) occupations, by states and territories: 1880—Continued.

Md.	Mass.	Mich.	Minn.	Miss.	Mo.	Mont.	Nebr.	Nev.	N. H.	N. J.	N. Mex.	
114	1,442	70	21	7	104	.....	15	6	127	659	1	46
193	1,312	218	117	10	426	3	60	3	73	517	1	47
4,639	58,900	3,764	1,467	408	3,845	66	591	143	6,371	6,832	131	48
220	1,079	88	12	1	123	3	7	.....	35	607	1	49
315	411	518	458	.....	1,208	48	131	77	82	534	10	50
2,663	9,700	4,412	2,224	372	5,074	138	1,129	178	1,680	4,720	175	51
1,197	2,330	774	403	170	1,475	15	363	28	580	1,470	20	52
285	681	323	65	5	429	.....	26	3	22	314	.....	53
2,097	2,500	2,390	971	297	2,854	174	599	313	430	3,587	79	54
1,402	6,100	2,920	452	105	2,199	27	189	51	727	1,510	14	55
7,634	20,632	16,541	6,676	2,352	12,594	546	4,125	753	3,968	12,354	617	56
715	2,532	2,479	750	166	2,556	36	387	38	501	1,013	18	57
2,148	1,677	1,907	399	8	2,269	2	180	30	92	2,187	31	58
177	808	251	91	31	443	7	25	16	113	615	2	59
206	2,112	223	92	54	330	14	46	26	76	517	8	60
636	737	322	120	55	717	4	55	19	44	698	3	61
1,244	1,407	2,753	1,106	55	2,307	15	113	14	424	918	1	62
3,676	90,044	1,053	301	857	1,062	1	52	8	21,406	18,940	21	63
441	7,356	438	50	22	302	2	9	7	599	1,459	4	64
1,624	4,272	3,783	1,146	372	3,302	139	380	491	432	3,702	106	65
3,560	6,103	1,398	74	190	187	5	41	12	226	2,529	3	66
390	792	33	14	.....	493	1	4	.....	25	2,751	1	67
370	3,928	640	228	83	619	26	150	33	164	2,880	48	68
199	830	186	77	52	325	9	53	18	96	328	7	69
857	1,711	1,547	760	124	2,404	54	519	70	428	2,490	35	70
108	1,040	32	38	2	46	.....	2	2	30	4,198	.....	71
1,800	6,846	2,868	394	64	3,397	137	182	116	801	4,842	35	72
212	242	8,907	2,155	358	1,118	390	103	416	632	174	185	73
1,969	12,455	2,870	1,329	306	2,552	86	425	291	1,676	5,397	46	74
807	6,144	1,904	454	65	1,329	22	211	112	849	2,658	11	75
1,201	720	1,924	1,871	624	2,556	33	514	42	273	1,076	76	76
3,619	459	6,978	27	2	4,532	4,813	79	6,647	98	3,696	1,496	77
2,685	10,133	4,896	1,525	319	4,223	93	936	146	1,519	5,058	72	78
268	6,828	456	64	1	48	.....	5	1	826	747	.....	79
151	643	452	124	56	438	12	97	22	115	265	16	80
215	1,792	66	11	2	59	.....	5	.....	38	472	1	81
815	657	491	276	59	1,387	44	404	20	26	410	38	82
589	1,884	334	37	10	706	2	56	28	103	977	4	83
251	194	59	37	19	212	1	10	1	30	2,461	.....	84
1,328	5,397	1,919	863	275	3,134	79	686	151	513	2,460	87	85
234	819	96	92	1	466	1	68	.....	176	441	11	86
.....	1,060	.....	.....	.....	1	.....	.....	.....	2	1,219	.....	87
532	924	13,826	1,942	891	2,485	111	155	17	1,156	394	85	88
896	1,618	950	27	58	222	3	4	4	78	889	.....	89
362	320	31	28	.....	296	1	12	.....	26	1,284	.....	90
376	667	465	68	25	434	5	65	41	62	694	3	91
13,360	26,462	12,432	4,733	1,308	11,725	111	1,999	434	4,446	14,843	359	92
2,271	2,105	1,233	534	141	1,758	37	316	70	270	1,748	36	93
93	2,277	222	12	84	94	1	11	3	274	739	.....	94
932	1,071	128	47	73	118	13	38	20	276	1,237	8	95
39	2,008	121	3	.....	455	.....	4	2	2	989	.....	96
205	1,614	655	32	22	357	2	9	10	306	523	3	97
433	5,815	599	119	35	685	3	20	10	454	2,805	4	98
363	3,545	972	129	149	1,257	3	28	104	366	1,105	4	99
5,368	24,107	7,704	1,362	839	5,450	340	626	1,564	1,960	13,677	93	100

TABLE CIV.—OCCUPATIONS—*Number of persons engaged in the*

	Occupations.	N. Y.	N. C.	Ohio.	Oreg.
	MANUFACTURING, MECHANICAL, AND MINING—continued.				
46	Bleachers, dyers, and scourers	1,260	15	230	8
47	Bookbinders and finishers	5,279	28	801	18
48	Boot and shoe makers	26,261	1,286	10,964	300
49	Brass founders and workers	2,614	.....	452	1
50	Brewers and maltsters	3,799	2	1,744	145
51	Brick and stone masons, marble and stone cutters	23,893	1,042	10,713	312
52	Brick and tile makers	4,032	360	3,355	124
53	Broom and brush makers	2,209	5	779	7
54	Butchers	16,730	316	5,713	378
55	Cabinet makers and upholsterers	11,924	441	5,615	179
56	Carpenters and joiners	49,754	4,641	29,770	1,899
57	Carriage, car, and wagon makers	7,154	574	7,020	154
58	Cigar makers and tobacco workers	20,578	2,088	5,297	42
59	Clerks and bookkeepers in manufacturing establishments	1,977	49	665	17
60	Clock and watch makers and repairers	1,783	45	201	48
61	Confectioners	2,924	48	647	26
62	Coopers	8,576	998	5,357	79
63	Cotton, silk, and woolen mill operatives	29,039	3,229	1,818	44
64	Curriers, tanners, dressers, and finishers of leather	5,193	216	683	34
65	Engineers and firemen	12,667	418	5,860	299
66	Fishermen and oystermen	3,788	1,382	357	3,192
67	Glass-works operatives	3,132	1	906	2
68	Gold and silver workers and jewelers	5,594	35	1,260	47
69	Gun- and lock-smiths	1,926	55	526	36
70	Harness, saddle, and trunk makers	5,329	300	3,661	439
71	Hat and cap makers	5,147	3	112	3
72	Iron and steel works and shops operatives	16,261	204	13,419	97
73	Lumbermen, raftsmen, and woodchoppers	1,718	512	693	642
74	Machinists	16,234	621	7,498	221
75	Manufacturers and officials in manufacturing companies	11,602	316	3,811	128
76	Millers	4,298	1,869	3,919	263
77	Miners	2,633	827	5,575	3,699
78	Painters and varnishers	25,566	592	11,458	386
79	Paper-mill operatives	4,457	81	546	15
80	Photographers	1,669	73	238	58
81	Piano and organ makers and tuners	3,188	7	161	6
82	Plasterers	2,221	96	705	82
83	Plumbers and gasfitters	6,188	15	758	52
84	Potters	764	44	584	17
85	Printers	16,928	379	4,658	301
86	Quarrymen	1,801	40	438	5
87	Rubber factory operatives	1,100	.....	134	.....
88	Saw-mill operatives	4,710	1,174	4,148	865
89	Ship carpenters, calkers, riggers, and smiths	4,444	84	405	121
90	Shirt, collar, and cuff makers	6,328	3	70	2
91	Steam-boiler makers	2,322	16	781	19
92	Tailors, tailoresses, milliners, and dressmakers	104,379	2,707	33,212	750
93	Tinners	8,438	186	3,331	181
94	Tool and cutlery makers	2,421	.....	387	2
95	Wheelwrights	1,773	393	1,028	13
96	Wire makers and workers	863	1	951	4
97	Wood turners, carvers, and workers	3,231	59	720	19
98	Employés of manufacturing companies (not specified)	8,037	39	1,982	15
99	Mill and factory operatives (not specified)	3,483	1,029	527	68
100	Others in manufacturing and mining	60,961	2,158	14,520	551

principal (selected) occupations, by states and territories: 1880—Continued.

Pa.	R. I.	S. C.	Tenn.	Tex.	Utah.	Vt.	Va.	Wash.	W. Va.	Wis.	Wyo.	
1,915	695	9	21	15	7	15	31	1	17	64	.....	46
2,055	65	29	64	35	13	24	64	4	7	169	.....	47
20,634	568	647	1,483	1,026	561	749	2,850	104	1,097	4,082	42	48
1,088	90	.....	9	10	3	6	5	1	7	58	1	49
1,504	47	8	23	35	49	7	18	40	45	1,221	10	50
16,210	1,787	735	1,766	1,668	553	1,901	2,143	88	1,059	3,554	35	51
4,504	19	155	477	486	146	125	559	44	339	690	.....	52
1,110	64	5	49	29	14	19	32	3	32	142	.....	53
9,200	443	283	459	1,096	194	280	656	122	314	1,732	56	54
6,866	358	177	768	312	115	537	794	69	358	1,288	6	55
40,782	3,535	3,177	5,207	5,693	1,253	3,053	8,273	852	3,295	10,777	210	56
6,026	178	230	813	468	42	345	801	19	331	2,141	9	57
8,970	214	40	220	127	13	56	10,121	8	310	1,759	8	58
1,668	214	57	164	108	16	53	228	7	63	229	2	59
1,183	99	44	59	104	34	49	100	11	32	162	1	60
2,347	158	43	175	141	13	20	232	.....	70	177	.....	61
3,852	74	618	525	103	38	453	1,155	86	875	1,908	3	62
44,746	30,531	2,304	1,518	99	323	2,628	1,441	10	209	1,192	12	63
6,020	123	58	292	59	36	186	354	18	252	1,133	.....	64
11,452	789	352	761	846	290	377	765	169	756	1,817	147	65
598	879	479	199	140	14	16	3,625	613	8	402	.....	66
6,226	46	1	5	7	3	9	3	3	725	12	1	67
2,204	2,944	60	180	225	17	140	202	17	102	395	4	68
839	67	41	85	153	18	20	102	11	59	142	.....	69
3,729	244	119	584	792	124	346	703	76	326	1,487	43	70
2,127	15	5	4	12	.....	4	11	.....	3	121	.....	71
33,628	1,128	74	1,117	155	41	319	1,254	28	1,517	1,796	145	72
4,085	41	420	314	944	175	394	552	998	212	3,810	59	73
14,601	3,101	413	842	709	132	656	1,144	111	537	1,968	141	74
6,740	1,170	174	315	325	83	667	470	79	283	1,059	14	75
5,902	66	690	1,746	1,096	177	376	2,519	97	973	1,943	3	76
69,415	47	114	1,168	64	2,592	596	1,260	985	3,701	1,113	328	77
13,008	1,611	478	965	986	220	969	1,114	121	514	3,096	57	78
2,176	74	7	39	2	6	385	69	1	53	414	.....	79
1,029	106	50	106	199	34	90	117	24	52	350	6	80
282	14	5	13	21	1	405	2	1	3	41	.....	81
3,733	79	67	342	160	125	16	593	14	226	295	11	82
2,621	372	39	113	56	16	30	138	10	49	197	2	83
973	7	11	47	56	17	27	82	1	69	57	.....	84
7,877	497	309	667	940	125	298	831	111	348	1,612	38	85
4,341	172	27	226	53	42	1,061	189	.....	77	150	.....	86
39	1,104	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	87
4,619	59	202	1,557	2,182	181	1,359	2,227	689	778	7,745	4	88
1,624	102	98	27	79	2	7	409	138	37	327	1	89
1,184	18	2	17	9	6	41	16	.....	5	16	.....	90
2,921	183	45	66	59	22	19	118	12	188	236	28	91
49,851	3,871	2,544	2,973	2,493	819	2,240	4,917	190	1,551	10,953	79	92
5,264	322	210	407	508	77	331	506	57	254	959	9	93
2,392	331	.....	8	15	1	63	8	.....	7	56	2	94
2,381	148	181	165	282	28	351	1,002	16	57	395	7	95
554	28	.....	4	3	1	.....	.....	1	3	41	.....	96
1,510	133	24	70	27	27	353	40	7	23	187	.....	97
3,995	614	24	139	103	13	75	130	9	65	480	8	98
6,701	449	161	371	143	57	75	568	20	186	428	.....	99
31,768	4,165	1,511	1,811	1,346	526	1,922	1,949	864	1,585	3,576	18	100

TABLE CV.—OCCUPATIONS—*Fifty cities:* 1880.

PERSONS ENGAGED IN ALL CLASSES OF

	Cities.	Persons occupied.	AGE AND SEX.					
			All ages.		10 to 15.		16 to 59.	
			Male.	Female.	Male.	Female.	Male.	Female.
	Total	3,083,172	2,369,761	713,411	64,331	40,755	2,222,059	659,044
1	Albany, N. Y.	32,153	25,564	6,589	581	290	23,692	6,193
2	Allegheny, Pa	25,558	21,254	4,704	632	300	19,924	4,348
3	Atlanta, Ga	17,078	11,118	5,960	511	361	10,224	5,444
4	Baltimore, Md	130,364	97,561	32,803	2,276	1,514	91,182	30,196
5	Boston, Mass	149,194	110,313	38,881	1,429	808	104,421	37,410
6	Brooklyn, N. Y	209,065	163,934	45,131	4,380	2,518	156,442	42,272
7	Buffalo, N. Y	54,647	44,620	10,027	1,123	608	41,678	9,291
8	Cambridge, Mass	20,021	15,137	4,884	295	124	13,965	4,667
9	Camden, N. J	15,085	12,249	2,836	300	147	11,555	2,636
10	Charleston, S. C	20,325	13,280	7,045	228	132	12,354	6,492
11	Chicago, Ill	191,760	156,158	35,602	3,358	2,315	149,624	33,056
12	Cincinnati, Ohio	100,454	78,170	22,284	3,240	1,883	71,993	20,070
13	Cleveland, Ohio	56,919	46,769	10,150	1,049	561	44,275	9,493
14	Columbus, Ohio	18,737	15,338	3,399	348	116	14,393	3,225
15	Dayton, Ohio	14,184	11,716	2,468	359	164	10,844	2,266
16	Denver, Colo	15,737	14,056	1,681	104	47	13,765	1,619
17	Detroit, Mich	39,245	31,220	8,025	661	492	29,435	7,478
18	Fall River, Mass	22,685	14,919	7,766	1,072	937	13,257	6,780
19	Hartford, Conn	17,212	12,786	4,426	245	179	11,922	4,161
20	Indianapolis, Ind	27,966	22,927	5,039	553	183	21,643	4,811
21	Jersey City, N. J	42,356	35,617	6,739	840	545	33,741	6,098
22	Kansas City, Mo	25,081	21,436	3,645	443	241	20,696	3,378
23	Lawrence, Mass	19,153	11,552	7,601	580	627	10,504	6,907
24	Louisville, Ky	45,244	34,987	10,257	800	411	33,046	9,614
25	Lowell, Mass	29,781	17,795	11,986	642	718	16,332	11,151
26	Lynn, Mass	16,728	12,171	4,557	209	110	11,349	4,385
27	Milwaukee, Wis	40,900	32,924	7,976	822	607	30,800	7,283
28	Minneapolis, Minn	21,302	17,579	3,723	258	140	16,929	3,562
29	Nashville, Tenn	16,738	11,591	5,147	337	270	10,753	4,751
30	Newark, N. J	49,066	38,262	10,804	1,276	932	35,171	9,655
31	New Haven, Conn	24,155	18,634	5,521	346	282	17,420	5,131
32	New Orleans, La	78,336	59,173	19,163	1,342	902	54,039	16,964
33	New York, N. Y	513,377	378,159	135,218	10,994	7,471	356,156	125,403
34	Paterson, N. J	22,570	16,859	5,711	1,131	1,189	15,075	4,455
35	Philadelphia, Pa	348,900	257,694	91,206	9,415	5,825	236,636	83,150
36	Pittsburgh, Pa	52,173	44,794	7,379	1,308	405	42,086	6,879
37	Providence, R. I	43,878	32,521	11,357	1,102	797	29,948	10,349
38	Reading, Pa	15,623	12,877	2,746	633	273	11,473	2,430
39	Richmond, Va	24,550	17,007	7,543	237	291	15,933	6,939
40	Rochester, N. Y	34,276	25,243	9,033	808	676	22,996	8,205
41	Saint Louis, Mo	139,985	113,917	26,068	3,059	1,660	107,888	23,972
42	Saint Paul, Minn	17,809	14,728	3,081	148	106	14,327	2,953
43	San Francisco, Cal	104,650	90,508	14,142	980	509	87,360	13,376
44	Scranton, Pa	16,829	14,450	2,379	1,234	212	12,790	2,146
45	Syracuse, N. Y	20,409	15,495	4,914	570	375	14,014	4,477
46	Toledo, Ohio	17,691	14,675	3,016	265	158	13,964	2,821
47	Troy, N. Y	23,745	16,881	6,864	577	437	15,609	6,313
48	Washington, D. C	57,262	39,703	17,559	495	502	37,379	16,611
49	Wilmington, Del	19,281	15,699	3,582	496	252	14,296	3,217
50	Worcester, Mass	22,535	17,741	4,794	240	153	16,711	4,581

TABLE CV.—OCCUPATIONS—*Fifty cities*: 1880.

OCCUPATIONS, WITH AGE, SEX, AND NATIVITY.

AGE AND SEX—continued.		NATIVITY.							
60 and over.		United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
Male.	Female.								
83,371	13,612	1,826,210	461,855	415,710	140,736	30,955	67,510	140,196	
1,291	106	20,330	6,261	3,289	1,205	65	576	427	1
698	56	16,941	2,468	4,482	1,130	71	86	780	2
383	155	16,339	237	280	108	16	26	72	3
4,103	1,093	101,484	7,306	17,769	1,442	169	258	1,936	4
4,463	663	88,244	34,745	3,990	6,650	1,121	11,237	3,207	5
3,112	341	115,111	41,487	30,177	12,311	2,293	2,162	5,524	6
1,819	128	29,928	5,149	12,279	2,861	187	2,688	1,555	7
877	93	11,706	4,415	372	965	135	2,092	336	8
394	53	12,994	730	631	582	12	41	95	9
698	421	18,379	758	796	158	14	12	228	10
3,176	231	84,767	23,918	40,847	10,018	12,506	6,322	13,382	11
2,937	331	62,826	7,843	24,117	2,106	67	585	2,910	12
1,445	96	26,730	6,570	12,506	4,911	182	2,017	4,003	13
597	58	14,164	1,237	2,164	696	25	121	330	14
513	38	10,524	656	2,399	239	.....	81	285	15
187	15	10,490	1,226	1,242	1,081	354	548	796	16
1,124	55	17,938	2,963	8,545	2,776	61	4,922	2,040	17
599	49	8,495	4,686	144	5,075	41	4,118	126	18
619	86	11,183	3,887	847	767	67	270	191	19
731	45	21,584	1,886	3,087	647	47	183	532	20
1,036	96	22,091	10,451	5,519	2,819	157	329	990	21
297	26	19,461	2,208	1,375	768	362	512	395	22
468	67	8,729	4,799	637	2,805	14	2,044	125	23
1,141	232	34,012	3,099	6,412	578	21	205	917	24
821	137	15,621	6,612	65	2,009	69	5,234	171	25
613	62	13,029	1,969	29	354	26	1,232	89	26
1,302	86	18,041	1,811	15,984	1,224	670	467	2,703	27
392	21	12,009	1,057	1,566	570	3,706	1,856	538	28
501	126	15,232	643	356	206	35	18	248	29
1,815	217	29,228	6,461	9,104	2,541	67	156	1,509	30
868	108	15,776	5,242	1,478	933	64	300	362	31
3,792	1,297	58,771	5,543	6,968	1,218	137	210	5,489	32
11,009	2,344	240,076	114,581	92,657	21,230	2,567	3,752	38,514	33
653	67	12,459	3,386	1,334	3,261	51	108	1,971	34
11,593	2,231	237,639	55,783	30,429	17,137	567	1,037	6,308	35
1,400	95	30,454	8,680	7,884	3,499	70	232	1,354	36
1,471	211	28,720	9,134	608	3,496	143	1,146	631	37
771	43	13,802	314	1,199	178	8	11	111	38
837	313	23,013	454	620	220	9	31	203	39
1,439	152	20,904	3,079	5,356	1,761	39	2,040	1,097	40
2,970	436	82,735	15,985	29,674	4,061	420	1,230	5,880	41
253	22	8,929	1,812	2,873	560	1,758	858	1,019	42
2,168	257	37,469	17,012	12,394	6,076	1,868	1,946	27,885	43
426	21	8,727	3,462	1,541	2,720	42	66	271	44
911	62	13,612	2,308	2,544	784	6	622	533	45
446	37	10,478	1,490	3,523	546	37	716	901	46
695	114	14,310	5,993	892	1,265	60	945	280	47
1,829	446	50,309	3,146	2,100	865	42	141	659	48
907	113	15,880	2,184	438	564	34	36	145	49
790	60	14,537	4,729	188	780	473	1,685	143	50

TABLE CV.—OCCUPATIONS—*Fifty cities:* 1880—Continued.

PERSONS ENGAGED IN AGRICULTURE,

	Cities.	Persons occupied.	AGE AND SEX.					
			All ages.		10 to 15.		16 to 59.	
			Male.	Female.	Male.	Female.	Male.	Female.
	Total	33,134	32,202	932	913	70	28,140	791
1	Albany, N. Y.	345	345	.....	9	.....	293	.....
2	Allegheny, Pa.	253	251	2	5	.....	216	2
3	Atlanta, Ga.	314	300	14	26	2	228	10
4	Baltimore, Md.	867	827	40	25	5	723	34
5	Boston, Mass.	1,042	1,023	19	11	.....	886	18
6	Brooklyn, N. Y.	981	956	25	16	3	909	22
7	Buffalo, N. Y.	1,091	1,072	19	34	2	940	15
8	Cambridge, Mass.	249	245	4	8	.....	210	4
9	Camden, N. J.	191	190	1	13	.....	162	1
10	Charleston, S. C.	492	394	98	2	2	335	93
11	Chicago, Ill.	1,190	1,123	67	20	4	1,011	58
12	Cincinnati, Ohio	1,196	1,169	27	79	2	1,012	25
13	Cleveland, Ohio	694	669	25	30	1	567	20
14	Columbus, Ohio	192	192	.....	1	.....	164	.....
15	Dayton, Ohio	157	156	1	7	.....	131	1
16	Denver, Colo.	424	421	3	6	.....	402	3
17	Detroit, Mich.	394	378	16	8	.....	317	15
18	Fall River, Mass.	274	272	2	5	.....	218	1
19	Hartford, Conn.	408	408	.....	3	.....	364	.....
20	Indianapolis, Ind.	315	314	1	12	.....	285	1
21	Jersey City, N. J.	504	501	3	11	1	462	2
22	Kansas City, Mo.	252	251	1	9	.....	232	1
23	Lawrence, Mass.	142	141	1	2	.....	117	1
24	Louisville, Ky.	459	451	8	11	.....	402	8
25	Lowell, Mass.	296	296	.....	6	.....	233	.....
26	Lynn, Mass.	143	143	.....	4	.....	102	.....
27	Milwaukee, Wis.	334	309	25	9	3	272	20
28	Minneapolis, Minn.	432	431	1	12	.....	393	1
29	Nashville, Tenn.	172	163	9	16	1	112	7
30	Newark, N. J.	556	533	23	17	2	462	17
31	New Haven, Conn.	338	335	3	8	.....	282	3
32	New Orleans, La.	2,032	1,817	215	80	22	1,458	168
33	New York, N. Y.	2,229	2,164	65	30	3	1,998	56
34	Paterson, N. J.	113	111	2	4	.....	83	2
35	Philadelphia, Pa.	4,810	4,774	36	108	2	4,243	29
36	Pittsburgh, Pa.	466	460	6	5	.....	415	6
37	Providence, R. I.	490	489	1	24	.....	401	1
38	Reading, Pa.	148	148	.....	4	.....	127	.....
39	Richmond, Va.	132	131	1	2	.....	106	1
40	Rochester, N. Y.	518	516	2	21	.....	410	2
41	Saint Louis, Mo.	2,089	2,012	77	72	4	1,790	68
42	Saint Paul, Minn.	222	221	1	2	.....	204	1
43	San Francisco, Cal.	1,965	1,940	25	8	.....	1,861	25
44	Scranton, Pa.	107	99	8	.....	.....	80	8
45	Syracuse, N. Y.	250	246	4	12	.....	195	3
46	Toledo, Ohio	334	331	3	10	.....	276	3
47	Troy, N. Y.	128	128	.....	5	.....	100	.....
48	Washington, D. C.	463	458	5	6	.....	414	5
49	Wilmington, Del.	1,207	1,165	42	81	11	927	29
50	Worcester, Mass.	734	733	1	14	.....	610	1

TABLE CV.—OCCUPATIONS—*Fifty cities:* 1880—Continued.

WITH AGE, SEX, AND NATIVITY.

AGE AND SEX—continued.		NATIVITY.							
60 and over.		United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British. America.	Other countries.	
Male.	Female.								
3,149	71	18,278	4,555	5,647	1,686	323	466	2,179	
43	.....	157	64	87	30	1	1	5	1
30	.....	106	18	96	11	3	.....	19	2
46	2	299	5	3	2	.....	1	4	3
79	1	628	71	124	19	.....	1	24	4
126	1	518	358	33	52	4	56	21	5
31	.....	418	215	221	81	4	10	32	6
98	2	478	208	260	91	2	29	23	7
27	.....	114	96	6	12	1	20	.....	8
15	.....	168	7	9	5	.....	1	1	9
57	3	458	14	15	3	.....	.....	2	10
92	5	380	163	443	61	56	7	80	11
78	.....	726	45	374	23	1	4	23	12
72	4	260	66	208	107	.....	10	43	13
27	.....	125	13	39	12	.....	2	1	14
18	.....	96	3	47	1	.....	.....	10	15
13	.....	323	16	26	20	6	16	17	16
53	1	143	35	124	44	.....	24	24	17
49	1	174	47	1	18	.....	31	3	18
41	.....	247	123	12	21	.....	4	1	19
17	.....	231	9	50	12	1	1	11	20
28	.....	217	123	90	56	.....	3	15	21
10	.....	206	15	11	10	5	5	.....	22
22	.....	89	25	1	12	.....	15	.....	23
38	.....	308	27	100	8	.....	2	14	24
57	.....	176	52	1	31	3	30	3	25
37	.....	97	31	1	5	.....	7	2	26
28	2	89	16	153	14	1	4	57	27
26	.....	203	23	27	11	139	22	7	28
35	1	157	6	2	1	1	.....	5	29
54	4	215	70	199	37	2	.....	33	30
45	.....	171	101	29	29	5	2	1	31
279	25	1,411	43	250	16	1	1	310	32
136	6	698	507	681	131	21	6	185	33
24	.....	63	19	8	11	.....	.....	12	34
423	5	3,334	811	374	210	9	7	65	35
40	.....	207	72	135	21	1	4	26	36
64	.....	290	140	6	37	4	9	4	37
17	.....	127	4	13	4	.....	.....	.....	38
23	.....	108	4	12	7	.....	.....	1	39
85	.....	256	63	103	57	.....	12	37	40
150	5	927	104	861	78	3	5	111	41
15	.....	87	23	66	10	22	9	5	42
71	.....	418	357	169	85	13	35	888	43
19	.....	74	13	7	8	2	.....	3	44
39	1	132	32	32	43	.....	2	9	45
45	.....	169	18	78	27	1	7	34	46
23	.....	79	27	6	11	1	1	3	47
38	.....	335	46	33	37	1	3	8	48
157	2	1,057	96	15	32	.....	2	5	49
109	.....	529	111	6	22	9	55	2	50

TABLE CV.—OCCUPATIONS—*Fifty cities:* 1880—Continued.

PERSONS ENGAGED IN PROFESSIONAL AND PERSONAL

	Cities.	Persons occupied.	AGE AND SEX.					
			All ages.		10 to 15.		16 to 59.	
			Male.	Female.	Male.	Female.	Male.	Female.
	Total	984, 694	600, 500	384, 194	15, 459	15, 115	557, 519	359, 328
1	Albany, N. Y	10, 432	6, 647	3, 785	131	187	6, 066	3, 529
2	Allegheny, Pa	8, 655	5, 946	2, 709	197	142	5, 494	2, 535
3	Atlanta, Ga	8, 614	3, 762	4, 852	271	284	3, 296	4, 423
4	Baltimore, Md	46, 879	26, 653	20, 226	733	905	24, 632	18, 587
5	Boston, Mass	53, 465	30, 851	22, 614	512	426	28, 649	21, 691
6	Brooklyn, N. Y	55, 546	32, 628	22, 918	670	834	31, 406	21, 885
7	Buffalo, N. Y	17, 880	11, 744	6, 136	297	355	10, 744	5, 696
8	Cambridge, Mass	6, 180	3, 334	2, 846	66	57	2, 995	2, 718
9	Camden, N. J	4, 128	2, 764	1, 364	84	71	2, 569	1, 258
10	Charleston, S. C	10, 060	4, 632	5, 428	109	105	4, 256	4, 984
11	Chicago, Ill	58, 645	39, 966	18, 679	824	828	37, 918	17, 686
12	Cincinnati, Ohio	29, 068	17, 929	11, 139	719	648	16, 276	10, 292
13	Cleveland, Ohio	17, 021	10, 984	6, 037	220	249	10, 285	5, 717
14	Columbus, Ohio	6, 691	4, 471	2, 220	96	99	4, 161	2, 074
15	Dayton, Ohio	4, 109	2, 641	1, 468	84	89	2, 404	1, 351
16	Denver, Colo	5, 127	3, 992	1, 135	34	38	3, 904	1, 085
17	Detroit, Mich	12, 518	7, 872	4, 646	151	216	7, 308	4, 392
18	Fall River, Mass	3, 364	2, 575	789	11	21	2, 356	737
19	Hartford, Conn	5, 384	2, 891	2, 493	46	47	2, 676	2, 373
20	Indianapolis, Ind	10, 217	6, 849	3, 368	219	139	6, 335	3, 192
21	Jersey City, N. J	12, 327	8, 950	3, 377	204	231	8, 415	3, 065
22	Kansas City, Mo	9, 811	7, 104	2, 707	200	207	6, 775	2, 481
23	Lawrence, Mass	2, 425	1, 578	847	7	13	1, 457	800
24	Louisville, Ky	17, 339	9, 877	7, 462	219	308	9, 221	6, 961
25	Lowell, Mass	4, 855	3, 381	1, 474	27	11	3, 135	1, 409
26	Lynn, Mass	2, 547	1, 267	1, 280	9	30	1, 148	1, 201
27	Milwaukee, Wis	12, 979	8, 561	4, 418	193	301	7, 838	4, 056
28	Minneapolis, Minn	7, 345	4, 858	2, 487	80	94	4, 658	2, 377
29	Nashville, Tenn	7, 701	3, 506	4, 195	159	219	3, 152	3, 867
30	Newark, N. J	9, 118	5, 177	3, 941	104	182	4, 708	3, 629
31	New Haven, Conn	6, 871	4, 152	2, 719	49	57	3, 827	2, 581
32	New Orleans, La	36, 686	21, 880	14, 806	568	759	19, 748	12, 969
33	New York, N. Y	160, 109	89, 324	70, 785	3, 050	2, 140	82, 923	66, 978
34	Paterson, N. J	3, 996	3, 052	944	42	12	2, 821	893
35	Philadelphia, Pa	97, 036	55, 941	41, 095	2, 060	1, 416	50, 955	38, 305
36	Pittsburgh, Pa	20, 792	15, 609	5, 183	375	321	14, 602	4, 796
37	Providence, R. I	11, 105	6, 371	4, 734	165	80	5, 809	4, 495
38	Reading, Pa	5, 169	3, 972	1, 197	141	89	3, 515	1, 090
39	Richmond, Va	10, 745	4, 863	5, 882	91	238	4, 427	5, 370
40	Rochester, N. Y	8, 624	5, 016	3, 608	149	129	4, 397	3, 376
41	Saint Louis, Mo	48, 229	30, 402	17, 827	859	993	28, 389	16, 496
42	Saint Paul, Minn	6, 709	4, 623	2, 086	48	78	4, 452	1, 990
43	San Francisco, Cal	35, 060	26, 661	8, 399	299	331	25, 628	7, 873
44	Scranton, Pa	6, 224	4, 746	1, 478	197	124	4, 381	1, 340
45	Syracuse, N. Y	6, 112	3, 779	2, 333	141	114	3, 286	2, 178
46	Toledo, Ohio	6, 065	4, 174	1, 891	90	89	3, 895	1, 776
47	Troy, N. Y	7, 310	4, 078	3, 232	104	188	3, 753	2, 976
48	Washington, D. C	34, 931	20, 363	14, 568	206	464	19, 017	13, 707
49	Wilmington, Del	7, 287	5, 088	2, 199	138	119	4, 625	1, 990
50	Worcester, Mass	5, 204	3, 016	2, 188	11	38	2, 832	2, 098

TABLE CV.—OCCUPATIONS—*Fifty cities:* 1880—Continued.

SERVICES, WITH AGE, SEX, AND NATIVITY.

AGE AND SEX—continued.		NATIVITY.							
60 and over.									
Male.	Female.	United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
27,522	9,751	548,812	231,763	101,842	30,114	11,022	17,822	43,319	
450	69	5,773	3,150	945	279	4	147	134	1
255	32	5,143	1,259	1,534	378	13	36	292	2
195	145	8,375	90	81	28	4	8	28	3
1,288	734	37,810	3,911	4,114	356	44	59	585	4
1,690	497	24,438	20,505	1,031	2,030	415	3,947	1,099	5
552	199	24,696	20,600	5,346	2,279	761	423	1,441	6
703	85	8,778	2,835	3,925	758	67	957	560	7
273	71	2,964	2,273	58	201	29	554	101	8
111	35	3,413	454	157	78	2	4	20	9
267	339	9,521	329	140	35	7	3	25	10
1,224	165	23,277	11,725	11,782	2,301	3,958	1,527	4,075	11
934	199	17,861	4,196	5,628	531	20	164	668	12
479	71	7,258	3,351	3,443	1,207	58	617	1,087	13
214	47	4,993	699	655	190	10	40	104	14
153	28	3,071	333	556	57	.....	28	64	15
54	12	3,272	626	327	255	161	141	345	16
413	38	5,018	1,454	2,889	672	18	1,766	701	17
208	31	1,202	1,471	8	317	7	327	32	18
169	73	2,783	2,159	162	133	28	55	64	19
295	37	7,974	1,074	815	160	18	48	128	20
331	81	4,700	5,661	1,119	508	53	71	215	21
129	19	7,593	1,238	359	206	160	114	141	22
114	34	984	970	24	130	4	284	29	33
437	193	13,986	1,652	1,334	114	5	47	201	24
219	54	2,145	1,725	6	220	11	705	43	25
110	49	1,403	790	1	58	8	265	22	26
530	61	5,339	840	5,320	244	150	116	970	27
120	16	3,553	533	451	121	1,831	644	212	28
195	109	7,353	198	57	39	4	3	47	29
365	130	4,626	2,550	1,278	344	20	32	268	30
276	81	3,668	2,568	278	181	26	57	93	31
1,564	1,078	29,366	3,046	2,104	400	48	76	1,646	32
3,351	1,667	63,882	58,859	19,494	5,460	992	1,034	10,388	33
189	39	1,595	1,257	221	331	9	16	567	34
2,926	1,374	59,195	26,843	6,024	2,820	162	292	1,700	35
632	66	11,004	4,882	3,083	1,192	39	67	525	36
397	159	5,839	4,165	91	389	52	380	189	37
316	18	4,431	185	456	40	5	4	48	38
345	274	10,417	158	95	39	1	4	31	39
470	103	4,434	1,467	1,412	404	12	636	259	40
1,154	338	28,479	8,737	7,840	1,002	151	318	1,702	41
123	18	2,874	1,016	918	127	1,075	279	420	42
734	195	10,575	7,989	2,906	1,589	420	469	11,112	43
168	14	3,064	1,725	608	703	24	20	80	44
352	41	3,719	1,293	648	180	2	186	84	45
189	26	3,396	839	1,111	143	12	245	319	46
221	68	3,631	2,866	229	253	6	267	58	47
1,140	397	31,579	1,879	654	408	16	76	319	48
325	90	5,647	1,337	88	142	15	11	47	49
173	52	2,715	2,001	37	82	85	253	31	50

TABLE CV.—OCCUPATIONS—*Fifty cities:* 1880—Continued.

PERSONS ENGAGED IN TRADE AND TRANSPORTATION,

	Cities.	Persons occupied.	AGE AND SEX.					
			All ages.		10 to 15.		16 to 59.	
			Male.	Female.	Male.	Female.	Male.	Female.
	Total	743, 734	703, 405	40, 329	14, 417	2, 065	669, 985	37, 035
1	Albany, N. Y	7, 818	7, 453	365	207	16	6, 963	334
2	Allegheny, Pa	5, 487	5, 119	368	119	14	4, 860	347
3	Atlanta, Ga	3, 952	3, 863	89	115	2	3, 708	86
4	Baltimore, Md	32, 669	30, 502	2, 167	575	72	28, 961	1, 974
5	Boston, Mass	40, 787	37, 745	3, 042	550	110	36, 134	2, 896
6	Brooklyn, N. Y	59, 869	57, 366	2, 503	1, 345	115	54, 797	2, 333
7	Buffalo, N. Y	12, 387	11, 929	458	208	17	11, 390	427
8	Cambridge, Mass	4, 519	4, 209	310	74	11	3, 919	297
9	Camden, N. J	3, 766	3, 585	181	58	3	3, 444	174
10	Charleston, S. C	4, 639	4, 349	290	63	5	4, 150	249
11	Chicago, Ill	55, 013	53, 056	1, 957	952	147	51, 301	1, 790
12	Cincinnati, Ohio	22, 904	21, 500	1, 404	649	90	20, 167	1, 261
13	Cleveland, Ohio	12, 974	12, 474	500	226	19	11, 929	474
14	Columbus, Ohio	4, 613	4, 483	130	88	.....	4, 260	129
15	Dayton, Ohio	2, 964	2, 870	94	65	4	2, 697	88
16	Denver, Colo	3, 764	3, 689	75	36	1	3, 610	74
17	Detroit, Mich	9, 588	9, 065	523	149	24	8, 720	497
18	Fall River, Mass	2, 294	2, 222	72	33	5	2, 124	66
19	Hartford, Conn	3, 912	3, 739	173	69	17	3, 510	155
20	Indianapolis, Ind	7, 166	6, 969	197	118	2	6, 697	195
21	Jersey City, N. J	12, 113	11, 586	527	215	35	11, 122	488
22	Kansas City, Mo	7, 625	7, 464	161	126	8	7, 267	150
23	Lawrence, Mass	1, 746	1, 607	139	29	5	1, 524	131
24	Louisville, Ky	10, 847	10, 498	349	191	8	10, 069	328
25	Lowell, Mass	2, 811	2, 617	194	19	2	2, 460	188
26	Lynn, Mass	2, 344	2, 191	153	16	1	2, 094	149
27	Milwaukee, Wis	9, 322	8, 805	517	162	48	8, 392	461
28	Minneapolis, Minn	4, 604	4, 467	137	49	1	4, 335	134
29	Nashville, Tenn	4, 248	4, 140	108	60	3	3, 967	99
30	Newark, N. J	9, 409	8, 682	727	206	65	8, 135	628
31	New Haven, Conn	5, 317	4, 985	332	89	33	4, 731	293
32	New Orleans, La	20, 510	19, 688	822	370	13	18, 400	734
33	New York, N. Y	138, 036	129, 252	8, 784	3, 239	669	122, 913	7, 901
34	Paterson, N. J	2, 542	2, 386	156	55	4	2, 234	145
35	Philadelphia, Pa	75, 528	68, 270	7, 258	1, 642	300	63, 984	6, 623
36	Pittsburgh, Pa	9, 711	9, 272	439	144	8	8, 868	418
37	Providence, R. I	8, 509	8, 098	411	157	11	7, 610	392
38	Reading, Pa	2, 456	2, 324	132	86	10	2, 093	114
39	Richmond, Va	5, 225	5, 020	205	40	10	4, 776	181
40	Rochester, N. Y	7, 224	6, 713	511	150	43	6, 274	465
41	Saint Louis, Mo	36, 802	35, 727	1, 075	674	41	34, 491	1, 015
42	Saint Paul, Minn	5, 100	5, 046	54	48	.....	4, 965	54
43	San Francisco, Cal	30, 150	29, 654	496	280	23	28, 751	453
44	Scranton, Pa	2, 321	2, 231	90	72	2	2, 120	86
45	Syracuse, N. Y	4, 617	4, 306	311	134	6	4, 029	298
46	Toledo, Ohio	5, 081	4, 953	128	54	11	4, 814	116
47	Troy, N. Y	4, 352	4, 137	215	181	9	3, 796	189
48	Washington, D. C	8, 596	7, 973	623	172	16	7, 594	591
49	Wilmington, Del	2, 221	2, 035	186	25	2	1, 902	178
50	Worcester, Mass	3, 282	3, 091	191	33	4	2, 934	187

TABLE CV.—OCCUPATIONS—*Fifty cities:* 1880—Continued.

WITH AGE, SEX, AND NATIVITY.

AGE AND SEX—continued.		NATIVITY.							
60 and over.		United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
Male.	Female.								
19,003	1,229	488,487	82,504	94,725	28,862	5,753	12,049	31,354	
283	15	5,724	1,084	566	255	1	90	93	1
140	7	4,117	452	624	177	10	23	84	2
40	1	3,687	87	120	36	4	7	11	3
966	121	25,975	1,538	4,007	427	88	75	509	4
1,061	36	30,608	5,024	851	1,360	183	1,896	865	5
1,224	55	38,411	8,302	7,346	3,210	526	654	1,420	6
331	14	7,745	958	2,011	666	62	615	330	7
216	2	3,433	618	40	159	15	214	40	8
83	4	3,409	98	99	120	8	9	23	9
136	36	3,754	240	445	56	4	6	134	10
803	20	29,882	5,580	9,837	2,874	2,025	1,835	2,980	11
684	53	14,720	1,353	5,455	463	14	101	798	12
319	7	7,535	1,072	2,351	829	31	392	764	13
135	1	3,784	211	369	140	1	29	79	14
108	2	2,269	137	418	41	.....	14	85	15
43	.....	2,829	193	260	188	39	103	142	16
196	2	5,479	647	1,309	691	11	1,047	404	17
65	1	1,379	363	19	341	4	165	23	18
160	1	3,029	487	174	126	2	53	41	19
154	.....	5,711	318	786	119	6	62	164	20
249	4	7,788	1,920	1,371	738	31	78	187	21
71	3	6,210	446	404	199	56	196	114	22
54	3	1,101	343	38	148	.....	106	10	23
238	13	8,097	564	1,731	119	6	50	280	24
138	4	2,120	364	11	89	4	208	15	25
81	3	2,047	138	10	46	1	73	29	26
251	8	4,718	451	2,983	358	238	163	411	27
83	2	3,271	154	304	104	393	271	107	28
113	6	3,655	277	124	60	11	2	119	29
341	34	6,274	903	1,530	347	11	29	315	30
165	6	3,923	792	314	157	5	42	84	31
918	75	14,717	1,390	1,950	437	46	54	1,916	32
3,100	214	76,209	22,962	23,574	5,721	528	1,008	8,034	33
97	7	1,570	319	198	278	4	13	160	34
2,644	335	56,042	9,466	5,691	2,510	156	221	1,442	35
260	13	6,474	1,234	1,274	355	3	38	333	36
331	8	6,657	1,118	119	372	8	89	146	37
145	8	2,241	23	166	14	.....	1	11	38
204	14	4,700	137	251	46	3	9	79	39
289	3	4,992	508	829	368	5	353	169	40
562	19	23,915	3,137	6,934	1,007	63	363	1,383	41
33	.....	3,132	383	751	201	216	200	217	42
623	20	11,801	3,954	4,916	2,009	906	556	6,008	43
39	2	1,645	233	158	199	4	13	69	44
143	7	3,488	315	363	157	1	89	204	45
85	1	3,326	294	910	150	8	160	233	46
160	17	3,005	824	178	164	.....	104	77	47
207	16	7,250	575	463	119	7	25	157	48
108	6	1,913	155	63	56	3	4	27	49
124	.....	2,716	313	30	56	2	141	24	50

TABLE CV.—OCCUPATIONS—*Fifty cities*: 1880—Continued.

PERSONS ENGAGED IN MANUFACTURING, MECHANICAL,

	Cities.	Persons occupied.	AGE AND SEX.					
			All ages.		10 to 15.		16 to 59.	
			Male.	Female.	Male.	Female.	Male.	Female.
	Total	1,321,610	1,033,654	287,956	33,542	23,505	966,415	261,890
1	Albany, N. Y	13,558	11,119	2,439	234	87	10,370	2,330
2	Allegheny, Pa	11,563	9,938	1,625	311	144	9,354	1,464
3	Atlanta, Ga	4,198	3,193	1,005	99	73	2,992	925
4	Baltimore, Md	49,949	39,579	10,370	943	532	36,866	9,601
5	Boston, Mass	53,900	40,694	18,206	356	272	38,752	12,805
6	Brooklyn, N. Y	92,669	72,984	19,685	2,349	1,566	69,330	18,032
7	Buffalo, N. Y	23,289	19,875	3,414	584	234	18,604	3,153
8	Cambridge, Mass	9,073	7,349	1,724	147	56	6,841	1,648
9	Camden, N. J	7,000	5,710	1,290	145	73	5,380	1,203
10	Charleston, S. C	5,134	3,905	1,229	54	20	3,613	1,166
11	Chicago, Ill	76,912	62,013	14,899	1,562	1,336	59,394	13,522
12	Cincinnati, Ohio	47,286	37,572	9,714	1,793	1,143	34,538	8,492
13	Cleveland, Ohio	26,230	22,642	3,588	573	292	21,494	3,282
14	Columbus, Ohio	7,241	6,192	1,049	163	17	5,808	1,022
15	Dayton, Ohio	6,954	6,049	905	203	71	5,612	826
16	Denver, Colo	6,422	5,954	468	28	8	5,849	457
17	Detroit, Mich	16,745	13,905	2,840	353	252	13,090	2,574
18	Fall River, Mass	16,753	9,850	6,903	1,023	911	8,559	5,976
19	Hartford, Conn	7,508	5,748	1,760	127	115	5,372	1,633
20	Indianapolis, Ind	10,268	8,795	1,473	204	42	8,326	1,423
21	Jersey City, N. J	17,412	14,580	2,832	410	278	13,742	2,543
22	Kansas City, Mo	7,393	6,617	776	108	26	6,422	746
23	Lawrence, Mass	14,840	8,226	6,614	542	609	7,406	5,975
24	Louisville, Ky	16,599	14,161	2,438	379	95	13,354	2,317
25	Lowell, Mass	21,819	11,501	10,318	590	705	10,504	9,534
26	Lynn, Mass	11,604	8,570	3,124	180	79	8,005	3,035
27	Milwaukee, Wis	18,265	15,249	3,016	458	255	14,298	2,746
28	Minneapolis, Minn	8,921	7,823	1,098	117	45	7,543	1,059
29	Nashville, Tenn	4,617	3,782	835	102	47	3,522	778
30	Newark, N. J	29,983	23,870	6,113	949	683	21,866	5,381
31	New Haven, Conn	11,629	9,162	2,467	200	192	8,580	2,254
32	New Orleans, La	19,108	15,788	3,320	324	108	14,433	3,093
33	New York, N. Y	213,003	157,419	55,584	4,675	4,659	148,322	50,468
34	Paterson, N. J	15,919	11,310	4,609	1,030	1,173	9,937	3,415
35	Philadelphia, Pa	171,526	128,709	42,817	5,605	4,107	117,504	38,193
36	Pittsburgh, Pa	21,204	19,453	1,751	784	76	18,201	1,659
37	Providence, R. I	23,774	17,563	6,211	756	706	16,128	5,461
38	Reading, Pa	7,850	6,433	1,417	402	174	5,738	1,226
39	Richmond, Va	8,448	6,993	1,455	104	43	6,624	1,387
40	Rochester, N. Y	17,910	12,998	4,912	488	504	11,915	4,362
41	Saint Louis, Mo	52,865	45,776	7,089	1,454	622	43,218	6,393
42	Saint Paul, Minn	5,778	4,838	940	50	28	4,706	908
43	San Francisco, Cal	37,475	32,253	5,222	393	155	31,120	5,025
44	Scranton, Pa	8,177	7,374	803	965	86	6,209	712
45	Syracuse, N. Y	9,430	7,164	2,266	283	255	6,504	1,998
46	Toledo, Ohio	6,211	5,217	994	111	58	4,979	926
47	Troy, N. Y	11,955	8,538	3,417	287	240	7,960	3,148
48	Washington, D. C	13,272	10,909	2,363	111	22	10,354	2,308
49	Wilmington, Del	8,566	7,411	1,155	272	120	6,842	1,020
50	Worcester, Mass	13,315	10,901	2,414	182	111	10,335	2,295

TABLE CV.—OCCUPATIONS—*Fifty cities:* 1880—Continued.

AND MINING INDUSTRIES, WITH AGE, SEX, AND NATIVITY.

AGE AND SEX—continued.		NATIVITY.							
60 and over.		United States.	Ireland.	Germany.	Great Britain.	Scandinavia.	British America.	Other countries.	
Male.	Female.								
33,697	2,561	770,633	143,033	213,496	80,074	13,857	37,173	63,344	
515	22	8,676	1,963	1,691	641	59	338	190	1
273	17	7,575	739	2,228	564	45	27	385	2
102	7	3,978	55	76	42	8	10	29	3
1,770	237	37,071	1,736	9,524	640	37	123	818	4
1,586	129	32,680	8,858	2,075	3,208	519	5,338	1,222	5
1,305	87	51,586	12,370	17,264	6,741	1,002	1,075	2,631	6
687	27	12,927	1,148	6,083	1,346	56	1,087	642	7
361	20	5,195	1,428	268	593	90	1,364	195	8
185	14	6,004	171	366	379	2	27	51	9
238	43	4,646	175	196	44	3	3	67	10
1,057	41	31,228	6,450	18,785	4,782	6,467	2,953	6,247	11
1,241	79	29,519	2,249	12,660	1,089	32	316	1,421	12
575	14	11,677	2,081	6,504	2,768	93	998	2,109	13
221	10	5,262	314	1,101	354	14	50	146	14
234	8	5,088	183	1,378	140	.....	39	126	15
77	3	4,056	391	629	618	148	288	292	16
462	14	7,298	827	4,223	1,369	32	2,085	911	17
268	16	5,740	2,805	116	4,399	30	3,595	68	18
249	12	5,124	1,118	499	487	37	158	85	19
265	8	7,668	485	1,436	356	22	72	229	20
428	11	9,386	2,747	2,939	1,517	73	177	573	21
87	4	5,452	509	601	353	141	197	140	22
278	30	6,555	3,461	574	2,515	10	1,639	86	23
428	26	11,621	856	3,247	337	10	106	422	24
407	79	11,180	4,471	47	1,669	51	4,291	110	25
385	10	9,482	1,010	17	245	17	887	36	26
493	15	7,895	504	7,528	608	281	184	1,265	27
163	3	4,982	347	784	334	1,343	919	212	28
158	10	4,067	162	173	106	19	13	77	29
1,055	49	18,113	2,938	6,097	1,813	34	95	893	30
382	21	8,014	1,781	857	566	28	199	184	31
1,031	119	13,277	1,064	2,664	365	42	79	1,617	32
4,422	457	99,287	32,253	48,908	9,918	1,026	1,704	19,907	33
343	21	9,231	1,791	907	2,641	38	79	1,232	34
5,600	517	119,068	18,663	18,340	11,597	240	517	3,101	35
468	16	12,769	2,492	3,392	1,931	27	123	470	36
679	44	15,934	3,711	392	2,698	79	668	292	37
293	17	7,003	102	564	120	3	6	52	38
265	25	7,788	155	262	128	5	18	92	39
595	46	11,222	1,041	3,012	932	22	1,039	642	40
1,104	74	29,414	4,007	14,039	1,974	203	544	2,684	41
82	4	2,836	390	1,138	222	445	370	377	42
740	42	14,675	4,712	4,403	2,393	529	886	9,877	43
200	5	3,944	1,491	768	1,810	12	33	119	44
377	13	6,273	668	1,501	404	3	345	236	45
127	10	3,587	339	1,424	226	16	304	315	46
291	29	7,595	2,276	479	837	53	573	142	47
444	33	11,145	646	950	301	18	37	175	48
317	15	7,263	596	272	334	16	19	66	49
384	8	8,577	2,304	115	620	377	1,236	86	50

FISHERIES.

1401

TABLE CVI.—*Statistics of the fisheries of the United States:* 1880.

	States and Territories.	Grand total.			Persons employed.		Apparatus and capital.		
							Vessels.		
		Persons employed.	Capital invested.	Value of products.	Fishermen.	Shoresmen.	Number.	Tonnage.	Value.
		No.	*Dollars.*	*Dollars.*	*No.*	*No.*			*Dollars.*
	The United States	131, 426	37, 955, 349	43, 046, 033	101, 684	29, 742	6, 605	208, 297. 82	9, 357, 282
	New England states	37, 043	19, 937, 607	14, 270, 393	29, 838	7, 205	2, 066	113, 602. 59	4, 562, 131
	Middle states, exclusive of Great Lake fisheries.	14, 981	4, 426, 078	8, 676, 579	12, 584	2, 397	1, 210	23, 566. 93	1, 382, 000
	Southern Atlantic states	52, 418	8, 951, 722	9, 602, 737	38, 774	13, 644	3, 014	60, 886. 15	2, 375, 450
	Gulf states	5, 131	545, 584	1, 227, 544	4, 382	749	197	3, 009. 86	308, 051
	Pacific states and territories	16, 803	2, 748, 383	7, 484, 750	11, 613	5, 190	56	5, 463. 42	546, 450
	Great lakes	5, 050	1, 345, 975	1, 784, 050	4, 498	557	62	1, 768. 87	183, 200
1	Alabama	635	38, 200	119, 275	545	90	24	317. 20	14, 585
2	Alaska	6, 130	447, 000	2, 661, 640	6, 000	130	.....	.....	.....
3	California	3, 094	1, 139, 675	1, 860, 714	2, 089	1, 005	49	5, 246. 80	535, 350
4	Connecticut	3, 131	1, 421, 020	1, 456, 866	2, 585	546	291	9, 215. 95	514, 050
5	Delaware	1, 979	268, 231	997, 695	1, 662	317	69	1, 226. 00	51, 600
6	Florida	2, 480	406, 117	643, 227	2, 284	196	124	2, 152. 97	272, 645
7	Georgia	899	78, 770	119, 993	809	90	1	12. 00	450
8	Illinois	300	83, 400	60, 100	265	35	3	209. 73	8, 500
9	Indiana	52	29, 360	32, 740	45	7	1	21. 90	2, 500
10	Louisiana	1, 597	93, 621	392, 610	1, 300	297	49	539. 69	20, 821
11	Maine	11, 071	3, 375, 994	3, 614, 178	8, 110	2, 961	606	17, 632. 65	633, 542
12	Maryland	26, 008	6, 342, 443	5, 221, 715	15, 873	10, 135	1, 450	43, 500. 00	1, 750, 000
13	Massachusetts	20, 117	14, 334, 450	8, 141, 750	17, 165	2, 952	1, 054	83, 232. 17	3, 171, 189
14	Michigan	1, 781	442, 663	716, 170	1, 600	181	36	914. 42	98, 500
15	Minnesota	35	10, 160	5, 200	30	5	1	33. 59	5, 000
16	Mississippi	186	8, 800	22, 540	110	76	.....	.....	.....
17	New Hampshire	414	209, 465	176, 684	376	38	23	1, 019. 05	51, 500
18	New Jersey	6, 220	1, 492, 202	3, 176, 589	5, 659	561	590	10, 445. 90	545, 900
19	New York	7, 266	2, 629, 585	4, 380, 565	5, 650	1, 616	541	11, 582. 51	777, 600
20	North Carolina	5, 274	506, 561	845, 695	4, 729	545	95	1, 457. 90	39, 000
21	Ohio	1, 046	473, 800	518, 420	925	121	9	359. 51	38, 400
22	Oregon	6, 835	1, 131, 350	2, 781, 024	2, 795	4, 040	.....	.....	.....
23	Pennsylvania	552	119, 810	320, 050	511	41	11	321. 99	10, 500
24	Rhode Island	2, 310	596, 678	880, 915	1, 602	708	92	2, 502. 77	191, 850
25	South Carolina	1, 005	66, 275	212, 482	964	41	22	337. 32	15, 000
26	Texas	601	42, 400	128, 300	491	110	.....	.....	.....
27	Virginia	18, 864	1, 914, 119	3, 124, 444	16, 051	2, 813	1, 446	15, 578. 93	571, 000
28	Washington	744	30, 358	181, 372	729	15	7	216. 62	11, 100
29	Wisconsin	800	222, 840	253, 100	730	70	11	220. 25	26, 700

TABLE CVI.—*Statistics of the fisheries of the United States:* 1880.

APPARATUS AND CAPITAL—cont'd.				VALUE OF PRODUCTS BY FISHERIES.							
Boats.		Value of minor apparatus and outfits.	Other capital, including shore property.	General fisheries.	Whale fishery.	Seal fishery.	Menhaden fishery.	Oyster fishery.	Sponge fishery.	Marine salt industry.	
Number.	Value.										
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dolls.*	*Dolls.*	
44, 804	2, 465, 393	8, 145, 261	17, 987, 413	22, 405, 018	2, 323, 943	2, 289, 813	2, 116, 787	13, 403, 852	200, 750	305, 890	
14, 787	739, 970	5, 038, 171	9, 597, 336	10, 014, 645	2, 121, 385	111, 851	539, 722	1, 478, 900	.....	3, 890	
8, 293	546, 647	674, 951	1, 822, 480	2, 882, 294	.....	.....	1, 261, 385	4, 532, 900	.....	.....	
13, 331	640, 508	1, 145, 878	4, 789, 886	2, 217, 797	408	.....	315, 680	7, 068, 852	.....	.....	
1, 252	50, 173	52, 823	134, 537	713, 594	.....	.....	.....	313, 200	200, 750	.....	
5, 547	404, 695	467, 238	1, 330, 000	4, 792, 638	202, 150	2, 177, 962	.....	10, 000	.....	302, 000	
1, 594	83, 400	766, 200	313, 175	1, 784, 050	.....	.....	.....	.....	.....	.....	
119	10, 215	7, 000	6, 400	74, 325	.....	.....	.....	44, 950	.....	.....	1
3, 000	60, 000	7, 000	380, 000	564, 640	500	2, 096, 500	.....	.....	.....	.....	2
853	91, 485	205, 840	307, 000	1, 341, 314	201, 650	15, 750	.....	.....	.....	302, 000	3
1, 173	73, 585	375, 535	457, 850	383, 887	32, 048	111, 851	256, 205	672, 875	.....	.....	4
839	33, 227	70, 324	113, 080	309, 029	.....	.....	941	687, 725	.....	.....	5
1, 058	28, 508	39, 927	65, 037	426, 527	.....	.....	.....	15, 950	200, 750	.....	6
358	15, 425	18, 445	44, 450	84, 993	.....	.....	.....	35, 000	.....	.....	7
101	2, 000	11, 900	61, 000	60, 100	.....	.....	.....	.....	.....	.....	8
15	1, 650	20, 210	5, 000	32, 740	.....	.....	.....	.....	.....	.....	9
165	4, 800	18, 000	50, 000	192, 610	.....	.....	.....	200, 000	.....	.....	10
5, 920	245, 624	934, 593	1, 562, 235	3, 576, 678	.....	.....	.....	37, 500	.....	.....	11
2, 825	186, 448	297, 145	4, 108, 850	479, 388	.....	.....	11, 851	4, 730, 476	.....	.....	12
6, 749	351, 736	3, 528, 925	7, 282, 600	5, 581, 204	2, 089, 337	.....	61, 769	405, 550	.....	3, 890	13
454	10, 345	272, 920	60, 900	716, 170	.....	.....	.....	.....	.....	.....	14
10	900	3, 760	500	5, 200	.....	.....	.....	.....	.....	.....	15
58	4, 600	1, 600	2, 600	12, 540	.....	.....	.....	10, 000	.....	.....	16
211	7, 780	60, 385	89, 800	170, 634	.....	.....	.....	6, 050	.....	.....	17
4, 065	223, 963	232, 339	490, 000	949, 678	.....	.....	146, 286	2, 080, 625	.....	.....	18
3, 441	289, 885	390, 200	1, 171, 900	1, 689, 357	.....	.....	1, 114, 158	1, 577, 050	.....	.....	19
2, 714	123, 175	225, 436	118, 950	785, 287	408	.....	.....	60, 000	.....	.....	20
487	29, 830	253, 795	151, 775	518, 420	.....	.....	.....	.....	.....	.....	21
1, 360	246, 600	245, 750	639, 000	2, 776, 724	.....	4, 300	.....	.....	.....	.....	22
156	13, 272	40, 538	55, 500	132, 550	.....	.....	.....	187, 500	.....	.....	23
734	61, 245	138, 733	204, 850	302, 242	.....	.....	221, 748	356, 925	.....	.....	24
501	9, 790	25, 985	15, 500	192, 482	.....	.....	.....	20, 000	.....	.....	25
167	15, 000	4, 400	23, 000	81, 000	.....	.....	.....	47, 300	.....	.....	26
6, 618	292, 720	560, 763	489, 636	602, 239	.....	.....	303, 829	2, 218, 376	.....	.....	27
334	6, 610	8, 648	4, 000	109, 960	.....	61, 412	.....	10, 000	.....	.....	28
319	24, 975	145, 165	26, 000	253, 100	.....	.....	.....	.....	.....	.....	29

FOREIGN PARENTAGE.

1405

FOREIGN PARENTAGE.

Since 1850 the number of persons of foreign birth has been ascertained at each census of the United States.

In 1870 the number of persons, whether themselves born abroad or in the United States, one or both of whose parents were foreigners, was sought to be ascertained. The results showed that, while there were in that year 5,567,229 persons resident in the United States who were born in other countries, there were 10,521,233 residents who had a foreign father, 10,105,627 who had a foreign mother, 9,734,845 who had both parents foreign, and 10,892,015 who had one or both parents foreign. It will, of course, be understood that the last four sums are not to be added together for any statistical purpose. For example, the third sum, 9,734,845, is repeated four times, constituting a part of each of the other three sums given. The outside limit of foreign parentage is the last sum, 10,892,015, which comprises all persons either of whose parents were of foreign birth, and this number, it will be observed, includes all, or very nearly all, the 5,567,229 persons who were themselves born in other countries. If we say all, then there were 5,324,786 persons resident in the United States in 1870, and themselves born in the United States, who had a foreign father and a native mother or a foreign mother and a native father, or had both parents foreign.

The statistics of foreign parentage for 1870, however, gave no clew to the contribution made to this total by the several foreign countries appearing in the tables of foreign birth; *i. e.*, there was nothing to show how many persons had German fathers or German mothers, how many Irish fathers or Irish mothers, etc.

In compiling the census of 1880 a very elaborate tabulation was undertaken, in order to secure the ratios of contribution to the population foreign in the second degree made by each principal foreign country. For this purpose the populations of 28 states, 7 territories, and the District of Columbia were tallied according to a highly complicated form in order to secure the ratios desired. The results appear in the following table. A proper analysis and discussion of these figures would demand a space not consistent with the limits of the present publication, and the details will therefore be incorporated in the quarto volume on population.

The main facts are that in the body of population embraced in this table, comprising, as it does, 26,354,124 of the 50,155,783 inhabitants of the United States, there were 5,529,331 persons who had a foreign father, 5,223,497 who had a foreign mother, 4,994,017 who had both parents foreign, and 5,758,811 who had one or both parents foreign. The entire foreign element having been included in this tabulation, there appear 13,307 persons of foreign birth residents of the United States who had parents both native born.

It appears that for every 1,000 persons born in Ireland there were 2,442 who had an Irish father and 2,387 who had an Irish mother; of

every 1,000 persons born in Germany there were 2,483 who had a German father and 2,306 who had a German mother; of every 1,000 persons born in Great Britain there were 2,223 who had a British father and 1,941 who had a British mother; of every 1,000 persons born in Scandinavia there were 1,690 who had a Scandinavian father and 1,671 who had a Scandinavian mother; of every 1,000 persons born in British America there were 1,310 who had a British American father and 1,292 who had a British American mother; and of every 1,000 persons born in all other foreign countries there were 1,559 who had a father and 1,439 who had a mother born in countries other than those designated.

The application of these ratios to the total number of persons residing within the United States who were born in each of the specified foreign countries, according to the table of nativity (Table XXX), would indicate that throughout the United States there were, at the date of the census of 1880, persons having one or both parents foreign born, or foreign-born persons having parents both native born, as follows:

Total number of persons having Irish fathers	4,529,523
Total number of persons having German fathers	4,883,842
Total number of persons having British fathers	2,039,808
Total number of persons having Scandinavian fathers	635,405
Total number of persons having British American fathers	939,247
Total number of persons having fathers born in countries other than those specified	1,321,485
Total number of persons having native fathers and foreign mothers	573,434
Total number of foreign persons having both parents native	33,252
Total	14,955,996

Total number of persons having Irish mothers	4,448,421
Total number of persons having German mothers	4,557,629
Total number of persons having British mothers	1,790,200
Total number of persons having Scandinavian mothers	631,309
Total number of persons having British American mothers	931,408
Total number of persons having mothers born in countries other than those specified	1,226,113
Total number of persons having native mothers and foreign fathers	1,337,664
Total number of foreign persons having both parents native	33,252
Total	14,955,996

The following table contains the results of the compilation of the statistics of foreign parentage in the states of Alabama, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Hampshire, North Carolina, Oregon, Rhode Island, South Carolina, Tennessee, Texas, Vermont, Virginia, West Virginia, and Wisconsin; in the territories of Arizona, Dakota, Idaho, Montana, New Mexico, Washington, and Wyoming, and in the District of Columbia, embracing an aggregate population of 26,354,124, and a total foreign population of 2,673,217, distributed among the several principal foreign nationalities as follows: Irish, 686,322; Germans, 661,369; British, 302,484; Scandinavians, 218,165; British Americans, 340,656; and persons born in other countries, 464,221.

TABLE CVII.—*Parentage of the total number of persons in the United States having one or born, with summaries for 35 states and territories*

	States and Territories.	Native fathers, foreign mothers.	Native mothers, foreign fathers.	Foreign born, with both parents native born.	Both parents foreign born.	IRELAND.	
						Fathers.	Mothers.
	Total for the United States	573, 434	1, 337, 664	33, 252	13, 011, 646	4, 529, 523	4, 448, 421
	Total for States not tallied	343, 954	802, 350	19, 945	8, 017, 629	2, 853, 280	2, 810, 195
	Total for States tallied	229, 480	535, 314	13, 307	4, 994, 017	1, 676, 243	1, 638, 226
1	Alabama	1, 797	8, 230	53	20, 268	9, 050	7, 728
2	Arkansas	1, 147	6, 928	55	17, 250	6, 429	4, 807
3	Arizona	959	848	53	20, 501	2, 310	2, 228
4	California	23, 231	40, 287	1, 119	453, 495	137, 475	143, 727
5	Colorado	3, 351	6, 900	266	61, 194	17, 872	16, 929
6	Connecticut	9, 490	15, 126	318	252, 212	162, 116	163, 549
7	Dakota	3, 203	5, 570	294	80, 879	11, 870	11, 160
8	Delaware	1, 234	2, 876	38	19, 815	13, 957	13, 710
9	District of Columbia	2, 633	6, 635	134	35, 405	19, 041	18, 602
10	Florida	948	3, 253	69	15, 019	1, 881	1, 631
11	Georgia	1, 638	7, 421	47	20, 071	11, 379	9, 742
12	Idaho	1, 073	1, 482	27	14, 770	1, 892	1, 767
13	Kentucky	5, 981	22, 753	122	140, 661	49, 296	45, 613
14	Louisiana	6, 419	24, 445	196	115, 136	34, 080	34, 888
15	Maryland	9, 377	28, 109	198	181, 150	55, 759	52, 360
16	Massachusetts	35, 011	47, 068	2, 101	798, 652	514, 327	515, 785
17	Minnesota	16, 272	34, 362	1, 267	507, 670	80, 217	77, 065
18	Mississippi	1, 365	6, 979	48	17, 231	7, 804	6, 426
19	Missouri	21, 244	72, 558	607	460, 145	125, 748	116, 976
20	Montana	775	1, 966	39	16, 365	4, 821	4, 556
21	Nebraska	9, 147	18, 794	537	168, 538	28, 780	27, 018
22	Nevada	1, 576	2, 279	149	35, 450	10, 465	10, 683
23	New Hampshire	4, 427	5, 813	743	69, 828	29, 227	29, 511
24	New Mexico	323	1, 447	84	11, 663	1, 414	1, 322
25	North Carolina	741	3, 598	40	6, 373	2, 038	1, 422
26	Oregon	2, 951	7, 503	193	43, 669	8, 188	7, 750
27	Rhode Island	5, 885	7, 521	193	129, 893	79, 063	79, 692
28	South Carolina	1, 099	5, 246	45	15, 321	7, 448	6, 331
29	Tennessee	2, 164	9, 722	105	33, 284	16, 854	14, 464
30	Texas	8, 263	26, 635	394	199, 705	20, 462	17, 470
31	Vermont	8, 140	13, 513	1, 642	74, 239	31, 928	31, 140
32	Virginia	1, 763	8, 344	87	26, 615	12, 520	10, 514
33	Washington	1, 667	3, 889	131	23, 045	5, 201	5, 023
34	West Virginia	3, 744	11, 776	24	42, 770	20, 016	17, 959
35	Wisconsin	29, 906	64, 415	1, 856	856, 828	131, 898	126, 251
36	Wyoming	536	1, 023	33	8, 907	2, 517	2, 427

both parents foreign born; also number of foreign-born persons having both parents native and the District of Columbia: 1880.

GERMANY.		GREAT BRITAIN.		SCANDINAVIA.		BRITISH AMERICA.		OTHER COUNTRIES.		
Fathers.	Mothers.	Fathers.	Mothers.	Fathers.	Mothers.	Fathers.	Mothers.	Fathers.	Mothers.	
4,883,842	4,557,629	2,039,808	1,790,200	635,405	631,309	939,247	931,408	1,321,485	1,226,113	
3,241,521	3,032,457	1,367,390	1,202,934	266,791	266,851	493,096	491,132	597,901	558,014	
1,642,321	1,525,172	672,418	587,266	368,614	364,458	446,151	440,276	723,584	668,099	
8,611	7,178	5,130	3,296	312	193	451	301	4,944	3,369	1
8,469	7,079	4,356	2,879	344	250	920	644	3,660	2,738	2
1,680	1,567	1,935	1,997	208	216	500	533	14,716	14,919	3
90,759	83,403	72,192	65,321	8,866	7,660	20,333	19,275	164,157	137,340	4
14,006	13,022	20,565	19,299	3,210	3,276	5,517	5,614	6,924	6,405	5
33,780	31,203	37,533	34,871	2,894	2,802	22,887	22,436	8,128	6,841	6
13,520	12,859	9,424	8,751	27,090	27,059	10,145	10,230	14,400	14,023	7
3,536	2,852	4,130	3,629	115	103	241	231	712	524	8
10,309	11,898	5,966	4,666	137	92	538	519	3,049	2,261	9
2,454	2,089	2,886	2,054	508	401	561	433	9,982	9,359	10
6,978	5,690	4,856	3,255	283	224	522	327	3,474	2,471	11
1,439	1,318	5,874	5,762	972	1,033	682	614	5,393	5,349	12
87,718	79,619	14,886	11,950	230	187	1,205	1,003	10,079	8,270	13
48,375	45,060	9,723	7,134	871	500	1,350	878	45,182	33,095	14
120,575	110,230	21,156	18,000	515	353	1,053	1,053	10,201	8,531	15
37,289	33,247	107,772	98,342	8,067	7,154	152,350	157,248	25,915	21,887	16
162,302	155,381	35,324	30,096	174,457	174,991	40,311	38,628	49,421	47,781	17
6,717	5,594	3,855	2,560	532	449	460	302	4,842	3,265	18
292,944	266,315	53,126	44,040	5,672	5,263	10,855	9,847	44,358	38,948	19
3,184	2,937	3,752	3,565	654	600	2,772	2,509	3,148	2,973	20
67,819	63,280	27,311	24,051	18,698	18,692	9,383	9,867	35,341	34,777	21
4,322	4,053	9,053	8,528	571	576	2,793	2,784	10,525	10,402	22
1,610	1,351	9,301	8,348	341	345	34,302	34,113	860	587	23
1,343	1,102	911	745	75	67	344	230	9,023	8,520	24
2,519	1,954	4,177	2,815	77	40	262	290	898	593	25
11,291	10,039	9,890	8,489	2,154	2,000	4,328	3,560	15,321	14,782	26
4,218	3,467	26,042	24,639	1,254	1,164	23,533	24,158	3,304	2,658	27
6,773	5,757	3,207	2,176	145	97	179	141	2,815	1,918	28
11,355	9,341	7,376	5,534	438	355	825	576	6,158	5,178	29
87,794	81,543	18,755	14,530	3,657	3,356	3,111	2,468	92,561	88,601	30
1,187	853	9,968	8,131	217	98	43,253	41,560	1,199	397	31
10,245	8,412	8,549	6,739	191	86	685	588	2,769	2,039	32
4,341	3,960	5,684	4,789	1,962	1,757	3,612	3,429	6,134	5,754	33
21,690	18,462	8,421	7,057	50	32	412	348	3,057	2,656	34
446,638	431,712	96,097	86,191	102,407	102,519	44,939	43,015	99,264	97,046	35
1,531	1,345	3,235	3,037	440	468	537	524	1,670	1,642	36

AREAS, DWELLINGS, AND FAMILIES.

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TABLE CVIII.—*Areas, dwellings, and families:* 1880.

A—AREAS, LAND SURFACE.

NOTE.—The discrepancies between the following table and a similar table at the Ninth Census as to areas and the number of persons to a square mile are due to the fact that recomputed areas of the states and of the United States have been used at the Tenth Census.

States and Territories.	1880.		1870.		1860.		1850.	
	Square miles.	Persons to a square mile.	Square miles.	Persons to a square mile.	Square miles.	Persons to a square mile.	Square miles.	Persons to a square mile.
The United States	*a* 2,970,000	*b* 17.29	2,970,000	13.30	2,970,000	10.84	2,924,465	7.93
Alabama	51,540	24.50	51,540	19.34	51,540	18.71	51,540	14.97
Arizona territory	112,920	0.36	112,920	0.09				
Arkansas	53,045	15.13	53,045	9.13	53,045	8.21	53,045	3.96
California	155,980	5.54	155,980	3.59	155,980	2.44	155,980	0.59
Colorado	103,645	1.87	*c* 103,645	0.38				
Connecticut	4,845	128.52	4,845	110.93	4,845	94.97	4,845	76.53
Dakota territory	147,700	0.92	147,700	0.10				
Delaware	1,960	74.80	1,960	63.78	1,960	57.25	1,960	46.70
District of Columbia	60	2,960.40	60	2,195.00	60	1,251.33	60	861.45
Florida	54,240	4.97	54,240	3.46	54,240	2.59	54,240	1.61
Georgia	58,980	26.15	58,980	20.08	58,980	17.93	58,980	15.36
Idaho territory	84,290	0.39	84,290	0.18				
Illinois	56,000	54.96	56,000	45.36	56,000	30.57	56,000	15.20
Indiana	35,910	55.09	35,910	46.80	35,910	37.61	35,910	27.52
Indian territory and unorganized territory.	69,830		69,830		69,830			
Iowa	55,475	29.29	55,475	21.52	55,475	12.17	55,475	3.46
Kansas	81,700	12.19	81,700	4.46	*c* 126,072	0.85		
Kentucky	40,000	41.22	40,000	33.03	40,000	28.89	40,000	24.56
Louisiana	45,420	20.69	45,420	16.00	45,420	15.59	45,420	11.40
Maine	29,895	21.71	29,895	20.97	29,895	21.02	29,895	19.51
Maryland	9,860	94.82	9,860	79.20	9,860	69.68	9,860	59.13
Massachusetts	8,040	221.78	8,040	181.26	8,040	153.12	8,040	123.70
Michigan	57,430	28.50	57,430	20.62	57,430	13.04	57,430	6.92
Minnesota	79,205	9.86	79,205	5.55	79,205	2.17		
Minnesota territory					81,536		160,741	0.04
Mississippi	46,340	24.42	46,340	17.87	46,340	17.08	46,340	13.09
Missouri	68,735	31.55	68,735	25.04	68,735	17.20	68,735	9.92
Missouri territory							546,188	
Montana territory	145,310	0.27	145,310	0.14				
Nebraska	76,185	5.94	76,185	1.61	*c* 350,286	0.08		
Nevada	109,740	0.57	109,740	0.39				
New Hampshire	9,005	38.53	9,005	35.35	9,005	36.21	9,005	35.31
New Jersey	7,455	151.73	7,455	121.54	7,455	90.15	7,455	65.67
New Mexico territory	122,460	0.98	122,460	0.75	260,705	0.36	215,170	0.29
New York	47,620	106.74	47,620	92.04	47,620	81.49	47,620	65.04
North Carolina	48,580	28.81	48,580	22.05	48,580	20.43	48,580	17.89
Ohio	40,760	78.46	40,760	65.39	40,760	57.40	40,760	48.59
Oregon	94,560	1.85	94,560	0.96	94,560	0.55	*c* 286,996	0.05
Pennsylvania	44,985	95.21	44,985	78.29	44,985	64.60	44,985	51.39
Rhode Island	1,085	254.87	1,085	200.33	1,085	160.94	1,085	135.99
South Carolina	30,170	33.00	30,170	23.39	30,170	23.32	30,170	22.16
Tennessee	41,750	36.94	41,750	30.14	41,750	26.58	41,750	24.02
Texas	262,290	6.07	262,290	3.12	262,290	2.30	262,290	0.81
Utah territory	82,190	1.75	82,190	1.06	219,560	0.18	219,560	0.05
Vermont	9,135	36.38	9,135	36.19	9,135	34.49	9,135	34.39
Virginia	40,125	37.70	40,125	30.53	64,770	24.65	64,770	21.95
Washington territory	66,880	1.12	66,880	0.36	192,436	0.06		
West Virginia	24,645	25.09	24,645	17.94				
Wisconsin	54,450	24.16	54,450	19.37	54,450	14.25	54,450	5.61
Wyoming territory	97,575	0.21	97,575	0.09				

a The area of Alaska is intentionally omitted.
b In computing the number of persons to a square mile in the United States the area of the Indian territory is not considered.
c Territory.

TABLE CVIII.—*Areas, dwellings, and families:* 1880—Continued.

B—DWELLINGS.

States and Territories.	1880.		1870.		1860. (a)		1850. (a)	
	Number.	Persons to a dwelling.	Number.	Persons to a dwelling.	Number.	Persons to a dwelling.	Number.	Persons to a dwelling.
The United States	8,955,812	5.60	7,042,833	5.47	4,969,692	5.53	3,362,337	5.94
Alabama	240,227	5.26	198,327	5.03	96,682	5.47	73,070	5.87
Arizona territory	9,033	4.48	2,822	3.42	.....	.....	.....	.....
Arkansas	149,377	5.37	93,195	5.20	56,717	5.72	28,252	5.76
California	161,037	5.37	126,307	4.44	100,328	3.79	23,742	3.90
Colorado	39,018	4.98	10,009	3.98	.....	.....	.....	.....
Connecticut	108,458	5.74	96,880	5.55	83,622	5.50	64,013	5.79
Dakota territory	29,324	4.61	3,231	4.39	.....	.....	.....	.....
Delaware	27,215	5.39	22,577	5.54	19,288	5.72	15,290	5.84
District of Columbia	28,687	6.19	24,308	5.65	12,338	5.83	7,917	6.06
Florida	52,868	5.10	41,047	4.57	14,132	5.57	9,022	5.34
Georgia	289,474	5.33	236,436	5.01	109,069	5.46	91,206	5.75
Idaho territory	7,700	4.24	4,622	3.25	.....	.....	.....	.....
Illinois	538,221	5.72	464,155	5.47	304,732	5.62	146,544	5.81
Indiana	375,225	5.27	318,469	5.28	256,946	5.26	170,178	5.81
Indian territory and unorganized territory.	.....	.....	.....	.....	.....	.....	.....	.....
Iowa	301,507	5.39	219,846	5.44	131,663	5.13	82,962	5.83
Kansas	189,432	5.26	71,071	5.13	33,278	2.96	.....	.....
Kentucky	286,600	5.75	224,969	5.87	164,161	5.67	130,769	5.90
Louisiana	174,867	5.38	150,427	4.83	63,992	5.88	49,101	5.56
Maine	124,959	5.19	121,953	5.14	115,933	5.42	95,802	6.09
Maryland	155,070	6.03	129,620	6.02	106,137	5.65	81,708	6.03
Massachusetts	281,188	6.34	236,473	6.16	205,319	6.00	152,835	6.51
Michigan	321,514	5.09	237,036	5.00	150,952	4.96	71,616	5.55
Minnesota	136,458	5.72	81,140	5.42	40,926	4.20	.....	.....
Minnesota territory	.....	.....	.....	.....	1,361	3.55	1,002	6.06
Mississippi	208,297	5.43	164,150	5.04	61,460	5.77	51,681	5.74
Missouri	369,180	5.87	292,769	5.87	181,069	5.89	96,849	6.14
Missouri territory	.....	.....	.....	.....	.....	.....	.....	.....
Montana territory	9,205	4.25	9,450	2.18	.....	.....	.....	.....
Nebraska	85,848	5.27	25,144	4.89	7,811	3.69	.....	.....
Nevada	14,557	4.28	12,990	3.27	.....	.....	.....	.....
New Hampshire	68,381	5.07	67,046	4.75	65,968	4.94	57,339	5.55
New Jersey	190,403	5.94	155,936	5.81	116,353	5.78	81,064	6.04
New Mexico territory	26,311	4.54	21,053	4.36	21,945	4.26	13,453	4.57
New York	772,512	6.58	688,559	6.37	615,888	6.30	473,936	6.54
North Carolina	264,305	5.30	202,504	5.29	129,585	5.11	104,996	5.53
Ohio	586,664	5.45	495,667	5.38	425,672	5.50	336,098	5.89
Oregon	32,374	5.40	19,372	4.69	12,277	4.27	2,374	5.60
Pennsylvania	776,124	5.52	6 5,680	5.54	515,319	5.64	386,216	5.99
Rhode Island	41,388	6.68	34,828	6.24	27,056	6.45	22,379	6.59
South Carolina	191,914	5.19	143,485	4.92	58,220	5.18	52,642	5.39
Tennessee	276,734	5.57	224,816	5.60	147,947	5.64	129,419	5.90
Texas	287,562	5.54	141,685	5.78	77,428	5.45	27,988	5.52
Utah territory	26,710	5.39	18,290	4.75	10,763	3.75	2,322	4.90
Vermont	66,769	4.98	66,145	5.00	62,977	5.00	56,421	5.57
Virginia	265,611	5.69	224,947	5.45	207,305	5.33	165,815	5.72
Washington territory	15,512	4.84	6,066	3.95	3,037	3.82	.....	.....
West Virginia	108,349	5.71	78,854	5.61	.....	.....	.....	.....
Wisconsin	239,361	5.50	197,098	5.35	154,036	5.04	55,316	5.42
Wyoming territory	4,282	4.85	2,379	3.83	.....	.....	.....	.....

a The computations for 1860 and 1850 respecting persons to a dwelling or to a family have been made on the basis of the free population only, as at those censuses the dwellings and families of the slave population were not returned.

TABLE CVIII.—*Areas, dwellings, and families:* 1880—Continued.

C—FAMILIES.

States and Territories.	1880.		1870.		1860. (a)		1850. (a)	
	Number.	Persons to a family.	Number.	Persons to a family.	Number.	Persons to a family.	Number.	Persons to a family.
The United States	9,945,916	5.04	7,579,363	5.09	5,210,934	5.28	3,598,240	5.56
Alabama	248,961	5.07	202,704	4.92	96,603	5.48	73,786	5.81
Arizona territory	9,536	4.24	2,290	4.22	.....	.....	.....	.....
Arkansas	154,272	5.20	96,135	5.04	57,244	5.67	28,461	5.72
California	177,508	4.87	128,752	4.35	98,767	3.85	24,567	3.77
Colorado	41,260	4.71	9,358	4.26	.....	.....	.....	.....
Connecticut	136,885	4.55	114,981	4.67	94,831	4.85	73,448	5.05
Dakota territory	31,202	4.33	3,090	4.59	.....	.....	.....	.....
Delaware	28,253	5.19	22,900	5.46	18,966	5.82	15,439	5.78
District of Columbia	34,896	5.09	25,276	5.21	12,888	5.58	8,343	5.75
Florida	54,691	4.93	39,394	4.77	15,090	5.21	9,107	5.29
Georgia	303,060	5.09	237,850	4.98	109,919	5.41	91,666	5.72
Idaho territory	7,774	4.19	4,104	3.65	.....	.....	.....	.....
Illinois	591,934	5.20	474,533	5.35	815,539	5.43	149,153	5.71
Indiana	391,203	5.06	320,160	5.25	248,664	5.43	171,564	5.76
Indian territory and unorganized territory.	.....	.....	.....	.....	.....	.....	.....	.....
Iowa	310,894	5.23	222,430	5.37	124,098	5.44	33,517	5.73
Kansas	197,679	5.04	72,493	5.03	31,957	4.43	.....	.....
Kentucky	302,631	5.45	232,797	5.67	166,321	5.59	132,920	5.80
Louisiana	192,833	4.87	158,099	4.60	74,725	5.04	54,112	5.04
Maine	141,843	4.58	131,017	4.78	120,863	5.20	103,333	5.64
Maryland	175,318	5.33	140,078	5.57	110,278	5.44	87,384	5.64
Massachusetts	379,710	4.70	305,534	4.77	251,287	4.90	192,675	5.16
Michigan	336,973	4.86	241,006	4.91	144,761	5.17	72,611	5.48
Minnesota	143,374	5.45	82,471	5.33	37,319	4.61	.....	.....
Minnesota territory	.....	.....	.....	.....	1,241	3.90	1,016	5.98
Mississippi	215,055	5.26	166,828	4.96	63,015	5.63	52,107	5.69
Missouri	403,186	5.38	316,917	5.43	192,073	5.56	100,890	5.89
Missouri territory	.....	.....	.....	.....	.....	.....	.....	.....
Montana territory	9,931	3.94	7,058	2.92	.....	.....	.....	.....
Nebraska	89,135	5.08	25,075	4.91	5,931	4.86	.....	.....
Nevada	15,158	4.11	9,880	4.30	.....	.....	.....	.....
New Hampshire	80,286	4.82	72,144	4.41	69,018	4.72	62,287	5.15
New Jersey	232,309	4.87	183,043	4.95	130,348	5.16	89,080	5.56
New Mexico territory	28,255	4.23	21,449	4.28	20,881	4.48	13,502	4.56
New York	1,078,905	4.71	898,772	4.88	758,420	5.12	566,869	5.46
North Carolina	270,994	5.17	205,970	5.20	125,090	5.29	105,451	5.50
Ohio	641,907	4.98	521,981	5.11	434,134	5.39	348,514	5.68
Oregon	33,468	5.12	18,504	4.91	11,063	4.74	2,374	5.60
Pennsylvania	840,452	5.10	675,408	5.21	524,558	5.54	408,497	5.66
Rhode Island	60,259	4.59	46,133	4.71	35,209	4.96	28,216	5.23
South Carolina	202,062	4.93	151,105	4.67	58,642	5.14	52,937	5.36
Tennessee	286,539	5.38	231,365	5.44	149,335	5.59	130,604	5.87
Texas	297,259	5.35	154,483	5.30	76,781	5.49	28,377	5.44
Utah territory	28,373	5.07	17,210	5.04	9,500	4.96	2,322	4.90
Vermont	73,092	4.55	70,462	4.69	63,781	4.94	58,573	5.36
Virginia	282,355	5.36	231,574	5.29	201,523	5.49	167,530	5.67
Washington territory	16,380	4.50	5,673	4.22	2,798	4.14	.....	.....
West Virginia	111,732	5.54	78,474	5.63	.....	.....	.....	.....
Wisconsin	251,530	5.23	200,155	5.27	147,473	5.20	57,608	5.30
Wyoming territory	4,604	4.52	2,248	4.06	.....	.....	.....	.....

a The computations for 1860 and 1850 respecting persons to a dwelling or to a family have been made on the basis of the free population only, as at those censuses the dwellings and families of the slave population were not returned.

TABLE CIX.—*Dwellings, families, and population in 100 principal cities:* 1880.

Cities.	Rank, according to population.	DWELLINGS.		FAMILIES.		POPULATION.					
		Number.	Persons to a dwelling.	Number.	Persons to a family.	Total.	Native.	Foreign.	White.	Colored.	Chinese, Japanese, and Indians.
Albany, N. Y	21	13,259	6.85	18,297	4.96	90,758	66,993	23,765	89,694	1,056	8
Allegheny, Pa	23	11,943	6.59	14,717	5.34	78,682	59,245	19,437	76,620	2,059	3
Atlanta, Ga	49	6,494	5.76	7,790	4.80	37,409	35,993	1,416	21,079	16,330	.....
Auburn, N. Y	84	3,879	5.65	4,417	4.96	21,924	16,981	4,943	21,514	403	7
Augusta, Ga	86	3,938	5.56	4,998	4.38	21,891	20,693	1,198	11,771	10,109	11
Baltimore, Md	7	50,833	6.54	65,356	5.08	332,313	276,177	56,136	278,584	53,716	13
Bay City, Mich	95	3,244	6.38	3,728	5.55	20,693	11,389	9,304	20,541	151	1
Boston, Mass	5	43,944	8.26	72,763	4.99	362,839	248,043	114,796	356,826	5,873	140
Bridgeport, Conn	71	3,735	7.40	5,958	4.64	27,643	20,204	7,439	27,194	443	6
Brooklyn, N. Y	3	62,233	9.11	115,076	4.92	566,663	388,969	177,694	558,427	8,095	141
Buffalo, N. Y	13	23,680	6.55	30,946	5.01	155,134	103,866	51,268	154,268	857	9
Cambridge, Mass	31	8,260	6.38	10,833	4.86	52,669	37,001	15,668	51,151	1,504	14
Camden, N. J	44	8,246	5.05	8,772	4.75	41,659	37,164	4,495	38,065	3,579	15
Charleston, S. C	36	6,552	7.63	11,406	4.38	49,984	46,034	3,950	22,699	27,276	9
Chelsea, Mass	88	3,725	5.85	4,834	4.51	21,782	17,187	4,595	21,250	519	13
Chicago, Ill	4	61,069	8.24	96,992	5.19	503,185	298,326	204,859	496,495	6,480	210
Cincinnati, Ohio	8	28,017	9.11	52,025	4.90	255,139	183,480	71,659	246,912	8,179	48
Cleveland, Ohio	11	27,181	5.89	32,113	4.99	160,146	100,737	59,409	158,084	2,038	24
Columbus, Ohio	33	8,527	6.06	9,396	5.50	51,647	42,576	9,071	48,628	3,010	9
Covington, Ky	65	4,792	6.20	6,076	4.89	29,720	23,233	6,487	27,928	1,790	2
Davenport, Iowa	87	4,342	5.03	4,544	4.80	21,831	14,936	6,895	21,600	231	.....
Dayton, Ohio	47	6,990	5.53	8,106	4.77	38,678	31,432	7,246	37,683	991	4
Denver, Colo	50	5,279	6.75	5,945	5.99	35,629	26,924	8,705	34,344	1,046	239
Des Moines, Iowa	80	4,170	5.37	4,359	5.14	22,408	18,205	4,203	21,787	612	9
Detroit, Mich	18	20,493	5.68	23,290	5.00	116,340	70,695	45,645	113,475	2,821	44
Dubuque, Iowa	81	3,874	5.74	4,281	5.20	22,254	16,107	6,147	22,106	145	3
Elizabeth, N. J	69	4,308	6.55	5,332	5.29	28,229	20,644	7,585	27,477	750	2
Elmira, N. Y	97	3,810	5.39	4,431	4.64	20,541	16,967	3,574	19,835	702	4
Erie, Pa	70	4,903	5.66	5,291	5.24	27,737	20,031	7,706	27,513	222	2
Evansville, Ind	66	5,296	5.53	5,803	5.05	29,280	23,177	6,103	26,565	2,712	3
Fall River, Mass	37	5,594	8.75	9,700	5.04	48,961	25,386	23,575	48,801	144	16
Fort Wayne, Ind	74	4,866	5.52	5,455	4.93	26,880	21,028	5,852	26,753	124	3
Galveston, Tex	82	4,221	5.27	4,670	4.76	22,248	17,202	5,046	16,884	5,348	16
Grand Rapids, Mich	58	5,752	5.57	6,817	4.70	32,016	22,016	10,000	31,584	429	3
Harrisburg, Pa	60	5,967	5.16	6,429	4.78	30,762	28,446	2,316	27,855	2,903	4
Hartford, Conn	43	5,736	7.22	9,137	4.60	42,015	31,420	10,595	40,682	1,280	53
Hoboken, N. J	59	2,695	11.50	6,717	4.62	30,999	18,004	12,995	30,915	74	10
Holyoke, Mass	85	2,084	10.52	3,881	5.65	21,915	11,000	10,915	21,880	31	4
Indianapolis, Ind	24	13,727	5.47	15,650	4.80	75,056	62,446	12,610	68,538	6,504	14
Jersey City, N. J	17	14,049	8.59	23,957	5.04	120,722	81,464	39,258	119,351	1,340	31
Kansas City, Mo	30	8,609	6.48	9,347	5.97	55,785	46,484	9,301	47,613	8,143	29
Lancaster, Pa	77	5,133	5.02	5,379	4.79	25,769	22,390	3,379	25,248	518	3
Lawrence, Mass	46	4,608	8.50	7,488	5.23	39,151	21,885	17,266	38,996	150	5
Louisville, Ky	16	18,898	6.55	24,343	5.08	123,758	100,602	23,156	102,847	20,905	6
Lowell, Mass	27	8,245	7.21	11,439	5.20	59,475	36,421	23,054	59,292	177	6
Lynn, Mass	48	6,315	6.06	8,209	4.66	38,274	31,234	7,040	37,710	564	.....
Manchester, N. H	56	3,589	9.09	6,338	5.15	32,630	20,151	12,479	32,576	49	5
Memphis, Tenn	54	7,174	4.68	7,943	4.23	33,592	29,621	3,971	18,677	14,896	19
Milwaukee, Wis	19	18,748	6.17	23,024	5.02	115,587	69,514	46,073	115,280	304	3
Minneapolis, Minn	38	6,932	6.76	8,584	5.46	46,887	31,874	15,013	46,509	362	16
Mobile, Ala	68	5,276	5.52	6,133	4.75	29,132	26,195	2,937	16,885	12,240	7
Nashville, Tenn	40	7,072	6.13	8,525	5.09	43,350	40,325	3,025	27,005	16,337	8
Newark, N. J	15	13,796	7.26	28,386	4.81	136,508	96,178	40,330	133,181	3,311	16
New Bedford, Mass	75	5,038	5.33	6,147	4.37	26,845	20,922	5,923	25,290	1,541	14
New Haven, Conn	26	9,961	6.31	13,638	4.61	62,882	47,214	15,668	60,648	2,192	42
New Orleans, La	10	36,347	5.95	45,316	4.77	216,090	174,933	41,157	158,367	57,617	106
Newport, Ky	98	3,225	6.34	4,111	4.97	20,433	15,422	5,011	20,116	315	2
New York, N. Y	1	73,684	16.37	243,157	4.96	1,206,299	727,629	478,670	1,185,843	19,663	793
Norfolk, Va	83	3,277	6.70	5,098	4.31	21,966	21,131	835	11,898	10,068	..
Oakland, Cal	51	6,416	5.39	7,018	4.92	34,555	23,534	11,021	31,973	593	1,989

TABLE CIX.—*Dwellings, families, and population in* 100 *principal cities:* 1880—Continued.

Cities.	Rank, according to population.	DWELLINGS.		FAMILIES.		POPULATION.					
		Number.	Persons to a dwelling.	Number.	Persons to a family.	Total.	Native.	Foreign.	White.	Colored.	Chinese, Japanese, and Indians.
Omaha, Nebr	63	5,110	5.97	5,612	5.44	30,518	20,588	9,930	29,678	789	51
Oswego, N. Y	92	4,153	5.08	4,398	4.80	21,116	15,555	5,561	20,983	115	18
Paterson, N. J	34	6,712	7.60	10,679	4.78	51,031	32,329	18,702	50,339	670	22
Peoria, Ill	67	5,482	5.34	5,879	4.98	29,259	22,134	7,125	28,765	482	12
Petersburg, Va	89	3,426	6.32	4,779	4.53	21,656	21,300	356	9,950	11,701	5
Philadelphia, Pa	2	146,412	5.79	165,044	5.13	847,170	642,835	204,335	815,362	31,699	109
Pittsburgh, Pa	12	24,289	6.44	29,868	5.24	156,389	111,784	44,605	152,292	4,077	20
Portland, Me	53	5,157	6.50	7,295	4.63	33,810	26,908	6,902	33,474	327	9
Poughkeepsie, N. Y	99	3,403	5.94	4,302	4.70	20,207	16,413	3,794	19,513	691	3
Providence, R. I	20	14,153	7.41	23,178	4.52	104,857	76,782	28,075	101,211	3,582	64
Quincy, Ill	73	4,715	5.78	5,532	4.93	27,268	20,706	6,562	25,760	1,508	.....
Reading, Pa	41	8,267	5.24	8,876	4.88	43,278	39,654	3,624	42,926	350	2
Richmond, Va	25	9,532	6.67	12,180	5.22	63,600	60,260	3,340	35,765	27,832	3
Rochester, N. Y	22	15,825	5.65	18,039	4.95	89,366	62,744	26,622	88,859	497	10
Sacramento, Cal	90	4,222	5.07	4,752	4.51	21,420	14,372	7,048	19,180	455	1,785
Saint Joseph, Mo	57	5,260	6.17	5,630	5.76	32,431	26,775	5,656	29,201	3,227	3
Saint Louis, Mo	6	43,026	8.15	65,14[illegible]	5.38	350,518	245,505	105,013	328,191	22,256	71
Saint Paul, Minn	45	6,243	6.54	7,224	5.74	41,473	26,398	15,075	40,971	468	34
Salem, Mass	72	4,241	6.50	6,167	4.47	27,563	20,115	7,448	27,352	208	3
Salt Lake City, Utah	93	3,755	5.53	4,207	4.94	20,768	13,095	7,673	20,589	86	93
San Antonio, Tex	96	3,632	5.66	3,864	5.32	20,550	14,952	5,598	17,514	3,036	.....
San Francisco, Cal	9	34,110	6.86	43,463	5.38	233,959	129,715	104,244	210,496	1,628	21,835
Savannah, Ga	62	5,572	5.51	6,684	4.59	30,709	27,715	2,994	15,041	15,654	14
Scranton, Pa	39	7,334	6.25	8,926	5.14	45,850	29,993	15,857	45,706	142	2
Somerville, Mass	78	4,106	6.07	5,417	4.60	24,933	19,252	5,681	24,852	77	4
Springfield, Ill	100	3,525	5.60	3,916	5.04	19,743	15,459	4,284	18,414	1,328	1
Springfield, Mass	55	5,033	6.62	7,368	4.52	33,340	25,807	7,533	32,561	775	4
Springfield, Ohio	94	3,786	5.48	4,339	4.78	20,730	17,646	3,084	18,368	2,360	2
Syracuse, N. Y	32	8,825	5.87	11,046	4.69	51,792	38,774	13,018	51,199	590	3
Taunton, Mass	91	3,261	6.51	4,450	4.77	21,213	16,084	5,129	21,102	110	1
Terre Haute, Ind	76	4,581	5.68	5,078	5.13	26,042	22,050	3,992	25,276	763	3
Toledo, Ohio	35	9,717	5.16	10,191	4.92	50,137	35,788	14,349	49,206	928	3
Trenton, N. J	64	5,115	5.85	5,472	5.47	29,910	24,191	5,719	28,534	1,374	2
Troy, N. Y	29	6,955	8.16	11,491	4.94	56,747	39,809	16,938	56,185	557	5
Utica, N. Y	52	5,815	5.83	6,996	4.85	33,914	24,581	9,333	33,664	250	.....
Washington, D. C	14	24,107	6.11	29,603	4.98	147,293	133,051	14,242	98,895	48,377	21
Wheeling, W. Va	61	5,128	5.99	6,233	4.93	30,737	24,623	6,114	29,998	729	10
Wilkesbarre, Pa	79	4,157	5.61	4,424	5.28	23,339	17,039	6,300	22,729	609	1
Wilmington, Del	42	7,641	5.56	8,243	5.15	42,478	36,804	5,674	37,004	5,468	6
Worcester, Mass	28	6,634	8.79	11,931	4.89	58,291	42,667	15,624	57,524	763	4

ALASKA.

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DEPARTMENT OF THE INTERIOR,
CENSUS OFFICE,
Washington, D. C., December 28, 1882.

Col. CHAS. W. SEATON,
Superintendent of Census, Washington, D. C.

SIR: In conformity with your suggestion, I have the honor to transmit herewith, for incorporation in the Compendium about to be published, such tables as I have been enabled to compile from the material collected during my personal investigations in Alaska, showing the population of that district by races and tribes. The Caucasian population of southeastern Alaska appears in these tables as it stood in 1880, previous to the more recent influx of miners and prospectors. For the purposes of my report, now in your hands, it has been found most convenient to divide Alaska into six geographical divisions, as follows:

1. The Arctic division, containing 125,245 square miles, and comprising all that portion of the North American continent between the 141st meridian in the east and cape Prince of Wales, or Bering strait, in the west, the Arctic ocean in the north, and having for its southern boundary the water-shed between the Yukon river system and the streams emptying into the Arctic.

2. The Yukon division, containing 176,715 square miles, and comprising the valley of the Yukon river as far as it lies within our boundaries and its tributaries from the north and south. It is bounded by the Arctic division in the north, the 141st meridian in the east, and Bering sea in the west. The southern boundary of this division lies along a line indicating the water-shed between the Yukon and the Kuskokvim, Sushetno, and Copper rivers, and running from the above-mentioned meridian in the east to the coast of Bering sea, in the vicinity of Hazen bay in the west. The island of Saint Lawrence, in Bering sea, is included in this division.

3. The Kuskokvim division, containing 114,975 square miles, bounded on the north by the Yukon division, and comprising the valleys of the Kuskokvim, the Togiak, and the Nushegak rivers, and the intervening system of lakes. The eastern boundary of this division is a line running along the main Alaskan range of mountains from the divide between the Kuskokvim and Tennanah rivers down to the low, narrow isthmus dividing Moller bay from Zakharof bay on the Aliaska peninsula. Bering sea washes the whole west and south coast of this division, which also includes Nunivak island.

4. The Aleutian division, containing 14,610 square miles, and comprising the Aliaska peninsula westward of the isthmus between Moller

and Zakharof bays and the whole chain of islands from the Shumagin group in the east to Attoo in the west, including also the Pribylof or Fur-Seal islands.

5. The Kadiak division, containing 70,884 square miles, the south coast of the Aliaska peninsula down to Zakharof bay, with adjacent islands, the Kadiak group of islands, the islands and coasts of Cook's inlet, the Kenai peninsula and of Prince William sound, with the rivers running into them. The main Alaskan range bounds this division in the north and west. Its eastern limit is the 141st meridian, which intersects the coast line in the vicinity of Mount Saint Elias, while the south shores of the division are washed by that section of the North Pacific named the gulf of Alaska.

6. The Southeastern division, containing 28,980 square miles, and comprising the coast from Mount Saint Elias in the north to Portland canal, in lat. 54° 40′, in the south, together with the islands of the Alexander archipelago between Cross sound and cape Fox. The eastern boundary of this division is the rather indefinite line established by the Anglo-Russian and Russian-American treaties of 1824 and 1825 respectively, following the summits of a chain of mountains supposed to run parallel with the coast at a distance not greater than three marine leagues from the sea between the head of Portland canal and Mount Saint Elias.

Very respectfully, your obedient servant,

IVAN PETROFF,
Special Agent.

TABLE CX.—*Statistics of the population of Alaska:* 1880.

1.—ARCTIC DIVISION.

Area, 125,245 square miles; ratio of population, 1 inhabitant to 40⅓ square miles.

Settlements.	Location.	Innuit.
Total		3,094
Kingigamute	Cape Prince of Wales, Bering strait	400
Inalit	East Diomede island, Bering strait	40
Village opposite on mainland	Arctic ocean	18
Ta-apkuk	Cape Espenburg, Kotzebue sound	42
Kugalukmute	Kotzebue sound	12
Kongigamute	Buckland river, Kotzebue sound	90
Selawigamute	Selawik lake, Kotzebue sound	100
Kikiktagamute	Kotzebue sound	200
Sheshalegamute	Kotzebue sound	100
Tikizat	Arctic ocean	75
An-iyakh	Arctic ocean	25
Cape Sepping	Arctic ocean	50
Ip-Not	Arctic ocean	40
Tikirak	Arctic ocean	276
Cape Dyer	Arctic ocean	15
Cape Lisburne	Arctic ocean	13
Point Lay	Arctic ocean	20
Otok-kok	Icy cape, Arctic ocean	50
Kolumatourok	Arctic ocean	45
Noona agamute	Arctic ocean	74

TABLE CX.—*Statistics of the population of Alaska:* 1880—Continued.

1.—ARCTIC DIVISION—Continued.

Settlements.	Location.	Innuit.
Ootkaiowik	Arctic ocean	55
Pinoshuragin	Arctic ocean	29
Ootiwakh	Arctic ocean	225
Refuge inlet	Arctic ocean	40
Koknullit	Point Barrow, Arctic ocean	200
Colville river	Arctic ocean	50
In the interior.		
Koo agamute villages	Kooak river	250
Noatagamute village	Inland river	400
Killaimute villages	Kok river	150

2.—YUKON DIVISION.

Area, 176,715 square miles; ratio of population 1 inhabitant to 25⅔ square miles.

Settlements.	Location.	White.	Creole.	Tinneh.	Innuit.	Total.
Total		18	19	2,557	4,276	6,870
Cape York	Bering sea				24	24
Siniogamute	Port Clarence				36	36
Kaviazagamute	Lake Imorook				200	200
Nook	Cape Douglas, Bering sea				36	36
Ookivagamute	King's island, Bering sea				100	100
Aziak	Sledge island, Bering sea				50	50
Small village opposite on mainland.	Bering sea				10	10
Oo-innakhtagowik	North coast of Norton sound				10	10
Ayacheruk	North coast of Norton sound				60	60
Chitnashuak	North coast of Norton sound				20	20
Imokhtagokshuk	North coast of Norton sound				30	30
Okpiktolik	North coast of Norton sound				12	12
Tup-ka-ak	North coast of Norton sound				15	15
Chiockak	North coast of Norton sound				15	15
Ignituk	North coast of Norton sound				100	100
Atnuk	North coast of Norton sound				20	20
Nubviakhchugaluk	North coast of Norton sound				30	30
Kvikh	North coast of Norton sound				30	30
Ogowinagak	North coast of Norton sound				20	20
Scattered villages	Head of Norton bay				20	20
Oonakhtolik	East coast of Norton sound				15	15
Shaktolik	East coast of Norton sound				60	60
Tup-hamikva	East coast of Norton sound				10	10
Oonalakleet	East coast of Norton sound				100	100
Igawik	East coast of Norton sound				8	8
Kegokhtowik	East coast of Norton sound				20	20
Ketchumville	East coast of Norton sound	3	2			5
St. Michael and Tachik village	East coast of Norton sound	4	5		100	109
Pikiniktalik	East coast of Norton sound				10	10
Pastoliakh	East coast of Norton sound				80	80
Kotlik	Yukon delta				8	8
Fetkina	Yukon delta				30	30
Village (name unknown)	Yukon delta				6	6
Ingedluk	Yukon delta				8	8
Kashutuk	Yukon delta				18	18
Chefokhlagamute, 1st	Yukon delta				15	15
Chefokhlagamute, 2d	Yukon delta				5	5
Chefokhlagamute, 3d	Yukon delta				6	6
Igiagagamute	Yukon delta				10	10
Askinuk	Yukon delta				175	175

TABLE CX.—*Statistics of the population of Alaska:* 1880—Continued.

2.—YUKON DIVISION—Continued.

Settlements.	Location.	White.	Creole.	Tinneh.	Innuit.	Total.
Kashunok	Yukon delta				125	125
Kaialigamute	Yukon delta				100	100
Ookagamute	Yukon delta				25	25
Oonakagamute	Yukon delta				20	20
Village (name unknown)	Yukon delta				15	15
Kwigathlogamute	Yukon delta				30	30
Nunochogamute	Yukon delta				40	40
Nauvogalokhlagamute	Yukon delta				100	100
Villages on Big Lake region	Yukon delta				166	166
Coast between Pastoliakh and cape Rumiantzof.	Yukon delta				300	300
Komarof's Odinotchka	Yukon river		1		12	13
Alexeief's Odinotchka	Yukon river		1		15	16
Eliseief's Barabara	Yukon river				20	20
Chatinakh	Yukon river				40	40
Andreievsky Rédoute	Yukon river	1	1		12	14
Starikvikhpak	Yukon river				90	90
Razboinik	Yukon river				151	151
Ooglovia	Yukon river				102	102
Ingahamé	Yukon river				63	63
Single house	Yukon river				10	10
Starale Selenie	Yukon river				55	55
Ikogmute, mission	Yukon river		5		143	148
John's station	Yukon river	1	1		35	37
Rybnia	Yukon river				40	40
Pogoreshapka	Yukon river				121	121
Single house	Yukon river				9	9
Paimute	Yukon river				89	89
Askhomute	Yukon river				30	30
Ignokhatskamute	Yukon river				175	175
Makeymute	Yukon river				121	121
Anvik station and village	Yukon river	1		94		95
Single house	Yukon river			20		20
Single house	Yukon river			12		12
Single house	Yukon river			15		15
Tanakhotkhaiak	Yukon river			52		52
Single house	Yukon river			15		15
Chageluk settlements	Chageluk slough and Innok river.			150		150
Khatnotoutze	Yukon river			115		115
Kaiakak	Yukon river			124		124
Kaltag	Yukon river			45		45
Nulato, station and village	Yukon river	2	3	163		168
Koyukuk settlements	Koyukuk river			150		150
Terentief's station	Yukon river			15		15
Big Mountain	Yukon river			100		100
Single house	Yukon river			10		10
Sakatalan	Yukon river			25		25
Yukokakat	Yukon river			6		6
Melozikakat	Yukon river			30		30
Mentokakat	Yukon river			20		20
Soonkakat	Yukon river			12		12
Medvednaia	Yukon river			15		15
Noyokakat	Yukon river	1		106		107
Kozma's	Yukon river			11		11
Nuklukaiet	Yukon river	2		27		29
Rampart village	Yukon river			110		110
Fort Yukon	Yukon river	2		107		109
Fort Reliance	Yukon river	1		82		83
Gens de Large	Yukon river			120		120
Fetontlin (David's people)	Yukon river			106		106
Tennanah villages	Tennanah river			700		700
Saint Lawrence island	Bering sea				500	500

TABLE CX.—*Statistics of the population of Alaska:* 1880—Continued.

3.—KUSKOKVIM DIVISION.

Area, 114,975 square miles; ratio of population, 1 inhabitant to 13 square miles.

Settlements.	Location.	Total.	White.	Creole.	Aleut.	Tinneh.	Innuit.
Total		8,911	3	114	255	506	8,036
Nunivak island	Bering sea	400					400
Tanunak	Nelson island	8					8
Kaliookhlogamute	Nelson island	30					30
Kashigalogamute	Nelson island	10					10
Nulakhtolagamute	Yukon delta	25					25
Aginkchugamute	Yukon delta	35					35
Chichinaganiute	Yukon delta	6					6
Chalitnute	Yukon delta	60					60
Anogogmute	Yukon delta	75					75
Kongiganagamute	Yukon delta	175					175
Koolvagavigamute	Yukon delta	10					10
Kinagamute	Kuskokvim river	60					60
Village at headwaters	Kuskokvim river	50				50	
Napaimute	Kuskokvim river	60				60	
Roaming Koltchane	Kuskokvim river	35				35	
Kalmakovsky Rédoute	Kuskokvim river	12	2	2		3	5
Kokhlokhtokhpagamute	Kuskokvim river	51					51
Toolooka-anahamute	Kuskokvim river	59					59
Okhogamute	Kuskokvim river	130		3			127
Kaltkhagamute	Kuskokvim river	106					106
Oogovigamute	Kuskokvim river	206					206
Single house	Kuskokvim river	10					10
Tookhlagamute	Kuskokvim river	92					92
Single house	Kuskokvim river	10					10
Kwigalogamute	Kuskokvim river	314					314
Tuluksak	Kuskokvim river	150					150
Akkiagmute	Kuskokvim river	175					175
Paimute	Kuskokvim river	30					30
Kik-khtagamute	Kuskokvim river	232					232
Kuljkhlugamute	Kuskokvim river	75					75
Kooigamute	Kuskokvim river	215					215
Mumtrekhlagamute station.	Kuskokvim river	29					29
Mumtrekhlagamute village.	Kuskokvim river	41					41
Napaskiagamute	Kuskokvim river	196					196
Napahaiagamute	Kuskokvim river	98					98
Lomawigamute	Kuskokvim river	81					81
Taghiaratzoriamute	Kuskokvim river	52					52
Naghaikhlavigamute	Kuskokvim river	193					193
Akooligamute	Kuskokvim river	162					162
Kakhuiyagamute	Kuskokvim river	8					8
Shovenagamute	Kuskokvim river	58					58
Kik-khuigagamute	Kuskokvim river	9					9
Apokagamute	Kuskokvim river	94					94
Chimiagamute	Kuskokvim river	71					71
Iliutagamute	Kuskokvim river	40					40
Kuskokvagmute	Kuskokvim river	24					24
Shineyagamute	Kuskokvim river	40					40
Quinehahamute	Kuskokvim bay	83					83
Agaligamute	Kuskokvim bay	120					120
Takiketagamute	Kuskokvim bay	21					21
Kl-changamute	Kuskokvim bay	18					18
Mumtrahamute	Good News bay	162					162
Tzahavagamute	Bering sea bay	48					48
Aziavigamute	Azivigiak river	132					132
Togiagamute	Togiak river	276					276
Ikaliukha	Togiak river	192					192
Tunniakhpuk	Togiak river	137					137
Kassianmute	Togiak river	615					615
Nulatok	Togiak river	211					211
Kissaiakh	Togiak river	181					181

TABLE CX.—*Statistics of the population of Alaska:* 1880—Continued.

3.—KUSKOKVIM DIVISION—Continued.

Settlements.	Location.	Total.	White.	Creole.	Aleut.	Tinneh.	Innuit.
Annugannok	Togiak river	214					214
Togiak station	Bering sea	24		4	2		18
Ooallikh	Bering sea	68					68
Kulluk	Kulluk bay	65					65
Igushek	Igushek river	74					74
Anagnak	Nushegak river	87					87
Nushegak (Alexandrovsk)	Nushegak river	178	1	86			91
Kanulik	Nushegak river	142					142
Kakuak	Nushegak river	104					104
Akulvikchuk	Nushegak river	72					72
Agivivak	Nushegak river	52					52
Kalignak	Nushegak river	91					91
Molchatna villages	Molchatna river	180				180	
Akuliakhpuk	Lake of same name	83					83
Ekuk	Bristol bay	112					112
Koggiung	Kvichak river	29					29
Kaskinakh	Kvichak river	119					119
Chikak	Ilyamna lake	51				51	
Ilyamna	Ilyamna lake	49		13		36	
Kichik	Kichik lake	91				91	
Paugwik (two villages)	Naknek river	192					192
Ik-khagmute	Lake Walker	162					162
Igagik	Aliaska peninsula	120		2			118
Oogashik	Aliaska peninsula	177		1	176		
Oonangashik	Aliaska peninsula	37			37		
Mashikh	Aliaska peninsula	40			40		

4.—ALEUTIAN DIVISION.

Area, 14,610 square miles; ratio of population, 1 inhabitant to 6 square miles.

Settlements.	Location.	Total.	White.	Creole.	Aleut.
Total		2,451	82	479	1,890
Attoo	Attoo island	107	1	32	74
Nazan	Atkha island	236	2	14	220
Nikolsky	Oumnak island	127	2	8	117
Iliuliuk	Oonalashka island	406	14	162	230
Makushin	Oonalashka island	62	1	30	31
Koshigin	Oonalashka island	74	1		73
Chernovsky	Oonalashka island	101	3	4	94
Borka	Oonalashka island	140	1	6	133
Akutan	Akutan island	65	2		63
Akoon	Akoon island	55	1		54
Avatanok	Avatanok island	19			19
Saint Paul	Pribylof islands	298	14		284
Saint George	Pribylof islands	92	4		88
Belkovsky	Aliaska peninsula	268	11	89	168
Nikolaievsky	Aliaska peninsula	43			43
Protassof	Aliaska peninsula	100	2	21	77
Vosnessensky	Vosnessensky island	22	1		21
Ounga	Ounga island	185	15	69	101
Korovinsky	Korovin island	44		44	
Pirate cove	Popof island	7	7		

TABLE CX.—*Statistics of the population of Alaska:* 1880—Continued.

5.—KADIAK DIVISION.

Area, 70,884 square miles; ratio of population, 1 inhabitant to 16¼ square miles.

Settlements.	Location.	Total.	White.	Creole.	Innuit.	Tinneh.	Thlinket.
Total		4,352	34	917	2,211	864	326
Mitrofania	Aliaska peninsula	22		22			
Kaluiak	Aliaska peninsula	30		1	29		
Sutkhoon	Aliaska peninsula	25			25		
Kuyukak	Aliaska peninsula	18			18		
Katmai	Aliaska peninsula	218		37	181		
Kukak	Aliaska peninsula	37			37		
Ashivak	Cape Douglas	46		6	40		
Saint Paul	Kadiak island	288	20	253	15		
Lesnova	Wood island	157	2	56	99		
Yelovoi	Spruce island	78		78			
Oozinkie	Kadiak island	45		45			
Afognak (two villages)	Afognak island	339		195	144		
Ooganok (two villages)	Kadiak island	73			73		
Ooiak	Kadiak island	76			76		
Karluk	Kadiak island	302	1	24	277		
Akhiok	Kadiak island	114			114		
Ayakhtalik	Kadiak island	101		4	97		
Kaguiak	Kadiak island	109	1	6	102		
Three Saints bay	Kadiak island	7		4	3		
Old harbor	Kadiak island	160		5	155		
Orlova	Kadiak island	147		8	139		
Chiniak village	Kadiak island	24			24		
Killuda	Kadiak island	36			36		
Alexandrovsk	Kenai peninsula	88	1	12	75		
Yalik	E. coast Kenai peninsula	32			32		
Seldovia and Ostrovki	Kenai peninsula	74		38	36		
Laïda	Kenai peninsula	29				29	
Ninilchik	Kenai peninsula	53		53			
Kassilof	Kenai peninsula	31				31	
Chkituk and Chernila	Kenai peninsula	50		10		40	
Skilakh	Kenai peninsula	44				44	
Kenai Rédonte	Kenai peninsula	44	2	42			
Titukilsk and Nikishka	Kenai peninsula	57				57	
Kultuk	Kenai peninsula	17				17	
Knakatnuk	Kinik river, Cook's inlet	57	1	1		55	
Zdluiat	Kinik river, Cook's inlet	16				16	
Nitakh	Kinik river, Cook's inlet	15				15	
Kinik	Kinik river, Cook's inlet	46				46	
Sushetno (1st village)	Cook's inlet	44				44	
Sushetno (2d village)	Cook's inlet	46				46	
Toyonok station and village.	Cook's inlet	117	2	6		109	
Kustatan	Cook's inlet	65				65	
Chenega	Prince William sound	80			80		
Kanikhluk	Prince William sound	54			54		
Tatikhlek	Prince William sound	73			73		
Nuchek	Prince William sound	74	3	11	60		
Ikhiak and Alaganu	Mouth of Copper river	117			117		
Cape Martin	Mouth of Copper river	7	1				6
Atnah villages	Copper river	250				250	
Chilkhaat villages	Comptroller bay	170					170
Yaktag villages	Foot of Mount St. Elias range.	150					150

TABLE CX.—*Statistics of the population of Alaska:* 1880—Continued.

6.—SOUTHEASTERN DIVISION.

Area, 28,980 square miles; ratio of population, 1 inhabitant to 3¾ square miles.

Settlements.	Location.	White.	Creole.	Thlinket.	Hyda.	Total.
Grand total		293	230	6,437	788	7,748
NATIVES.						
Chilkhat tribe.						
Yondestuk	Chilkhat river and bay			171		988
Kutkwutlu	Chilkhat river and bay			125		
Kluckquan	Chilkhat river and bay			565		
Chilcoot	Chilcoot river			127		
Hoonyah tribe.						
Kondekan	Chichagof island			800		908
Klughuggue	Chichagof island			108		
Khootznahoo tribe.						
Augoon	Admiralty island, Hood's bay			420		666
Scutskon	Admiralty island, Hood's bay			246		
Kehk tribe.						
Klukwan	Kuprianof island			261		568
Village	Kuprianof island			82		
Village	Koo island			100		
Village	Port Houghton			50		
Village	Seymour's channel			75		
Auk tribe.						
Village	Stephens passage			290		640
Village	Admiralty island			300		
Village	Douglas island			50		
Takoo tribe.						
Tokeatl's village	Takoo river and inlet			26		269
Chitklin's village	Takoo river and inlet			113		
Katlany's village	Takoo river and inlet			106		
Fotshou's village	Takoo river and inlet			24		
Stakhin tribe.						
Shustak's village	Etholin island			38		317
Kash's village	Etholin island			49		
Shakes' village	Etholin island			38		
Towayat's village	Etholin island			82		
Kohltiene's village	Stakhin river			28		
Hinanhan's village	Stakhin river			31		
Kadishan's village	Stakhin river			27		
Shallyany's village	Stakhin river			24		
Prince of Wales island tribe.						
Kouyou	Prince of Wales island, west coast.			60		587
Hanega	Prince of Wales island, west coast.			500		
Klawak	Prince of Wales island, west coast.			27		
Tongas tribe.						
Village	Island mouth Portland canal			173		273
Cape Fox	Prince of Wales island			100		
Sitka tribe.						
Sitka, Indian village	Baranof island			540		721
Silver Bay				39		
Hot Springs				26		
Indian River				43		
Old Sitka				73		

TABLE CX.—*Statistics of the population of Alaska:* 1880—Continued.

6.—SOUTHEASTERN DIVISION—Continued.

Settlements.	Location.	White.	Creole.	Thlinket.	Hyda.	Total.
NATIVES—continued.						
Yakutat tribe.						
Scattered villages between cape Spencer and Bering bay.	Coast of mainland			200		500
Yakutat	Bering bay			300		
Hyda tribe.						
Kassan and Skowl	Prince of Wales island				173	788
Klinquan	Prince of Wales island				125	
Koianglas	Prince of Wales island				62	
Howakan	Prince of Wales island				287	
Shakan	Prince of Wales island				141	
Total native				6,437	788	7,225
WHITES AND CREOLES.						
Wrangell	Etholin island	105	1			106
Shuck	Stephens passage	10				10
Soundun	Holkhan bay	10				10
Shakan	Prince of Wales island	5	3			8
OldSitka	Baranof island	6				6
Sitka	Baranof island	157	219			376
Kassan	Prince of Wales island		7			7
Total white and creole		293	230			523

RECAPITULATION OF THE POPULATION OF ALASKA.

Divisions.	Total.	White.	Creole.	Innuit.	Aleut.	Tinneh.	Thlinket.	Hyda.
Total	33,426	430	1,756	17,617	2,145	3,927	6,763	788
Arctic	3,094			3,094				
Yukon	6,870	18	19	4,276		2,557		
Kuskokvim	8,911	3	111	8,036	255	506		
Aleutian	2,451	82	479		1,890			
Kadiak	4,352	34	917	2,211		864	326	
Southeastern	7,748	293	230				6,437	788

LIFE INSURANCE.

1431

TABLE CXI.—*Statement of the capital stock of all*

	Name.	Principal office.
	Total	
1	Alabama Gold Life Insurance Company	Mobile, Ala
2	Mobile Life Insurance Company	Mobile, Ala
3	Pacific Mutual Life Insurance Company	Sacramento, Cal
4	Ætna Life Insurance Company	Hartford, Conn
5	Charter Oak Life Insurance Company	Hartford, Conn
6	Connecticut General Life Insurance Company	Hartford, Conn
7	Connecticut Mutual Life Insurance Company	Hartford, Conn
8	Continental Life Insurance Company of Hartford	Hartford, Conn
9	Hartford Life and Annuity Insurance Company	Hartford, Conn
10	Phœnix Mutual Life Insurance Company	Hartford, Conn
11	Travelers' Insurance Company	Hartford, Conn
12	National Life Insurance Company of the United States of America	Washington, D. C
13	Cotton States Life Insurance Company	Macon, Ga
14	Franklin Life Insurance Company	Indianapolis, Ind
15	Equitable Life Insurance Company of Iowa	Des Moines, Iowa
16	Southern Mutual Life Insurance Company of Kentucky	Louisville, Ky
17	Missouri Valley Life Insurance Company	Leavenworth, Kans
18	Louisiana Equitable Life Insurance Company	New Orleans, La
19	Union Mutual Life Insurance Company	Augusta, Me
20	Maryland Life Insurance Company of Baltimore	Baltimore, Md
21	Mutual Life Insurance Company of Baltimore	Baltimore, Md
22	Berkshire Life Insurance Company	Pittsfield, Mass
23	John Hancock Mutual Life Insurance Company	Boston, Mass
24	Massachusetts Mutual Life Insurance Company	Springfield, Mass
25	New England Mutual Life Insurance Company	Boston, Mass
26	State Mutual Life Assurance Company	Worcester, Mass
27	The Michigan Mutual Life Insurance Company	Detroit, Mich
28	Covenant Mutual Life Insurance Company of Saint Louis	Saint Louis, Mo
29	German Mutual Life Insurance Company of Saint Louis	Saint Louis, Mo
30	Mutual Benefit Life Insurance Company	Newark, N. J
31	Prudential Insurance Company of America	Newark, N. J
32	Brooklyn Life Insurance Company	New York, N. Y
33	Equitable Life Assurance Society of the United States	New York, N. Y
34	Germania Life Insurance Company	New York, N. Y
35	Home Life Insurance Company	Brooklyn, N. Y
36	Homœopathic Mutual Life Insurance Company	New York, N. Y
37	Knickerbocker Life Insurance Company	New York, N. Y
38	Manhattan Life Insurance Company	New York, N. Y
39	Metropolitan Life Insurance Company	New York, N. Y
40	Mutual Life Insurance Company of New York	New York, N. Y
41	New York Life Insurance Company	New York, N. Y
42	Provident Savings Life Assurance Society	New York, N. Y
43	United States Life Insurance Company in the city of New York	New York, N. Y
44	Washington Life Insurance Company	New York, N. Y
45	Universal Life Insurance Company	New York, N. Y
46	Western New York Life Insurance Company	Batavia, N. Y
47	North Carolina State Life Insurance Company	Raleigh, N. C
48	Toledo Mutual Life Insurance Company	Toledo, Ohio
49	Union Central Life Insurance Company	Cincinnati, Ohio
50	American Life Insurance Company	Philadelphia, Pa
51	Girard Life Insurance, Annuity, and Trust Company of Philadelphia	Philadelphia, Pa
52	Penn Mutual Life Insurance Company of Philadelphia	Philadelphia, Pa
53	Presbyterian Annuity and Life Insurance Company	Philadelphia, Pa
54	Provident Life and Trust Company of Philadelphia	Philadelphia, Pa
55	National Life Insurance Company	Montpelier, Vt
56	Vermont Life Insurance Company	Burlington, Vt
57	Life Insurance Company of Virginia	Richmond, Va
58	Piedmont and Arlington Life Insurance Company (*f*)	Richmond, Va
59	Northwestern Mutual Life Insurance Company	Milwaukee, Wis

a $150,000 "paid" by stockholders' notes.
b $1,000,000 was authorized by charter; $500,000 paid in, viz: $250,000 in cash and $250,000 in stock notes. Subsequently the notes were retired, reducing the capital, December 31, 1879, to $250,000 cash.
c Secured notes representing this amount held by the company.

life insurance companies in the United States.

Incorporated.	Commenced business.	CAPITAL STOCK. Authorized capital stock, maximum.	Capital stock paid up in cash.	Capital subscribed but unpaid.	
		Dollars.	*Dollars.*	*Dollars.*	
.....	.....	15,770,000 00	8,634,190 50	864,209 50	
October 18, 1868	October 18, 1868	200,000 00	200,000 00	.....	1
1871.	June, 1871	300,000 00	*a* 300,000 00	.....	2
1868.	April, 1868	100,000 00	100,000 00	.....	3
.....	1850.	750,000 00	750,000 00	.....	4
1850.	1850.	Mutual.	.....	.....	5
June, 1865	October, 1865	*b* 1,000,000 00	250,000 00	.....	6
June 15, 1846	December 15, 1846	Mutual.	.....	.....	7
July, 1862	July, 1864	300,000 00	300,000 00	.....	8
1866.	May, 1867	1,000,000 00	256,400 00	.....	9
May, 1851	May, 1851	100,000 00	100,000 00	.....	10
1863.	1864.	1,000,000 00	600,000 00	.....	11
1868.	1868.	1,000,000 00	1,000,000 00	.....	12
1868.	1869.	2,000,000 00	126,523 00	373,477 00	13
July 10, 1866	August 7, 1866	Mutual.	.....	.....	14
January 25, 1867	March, 1867	100,000 00	56,000 00	*c* 44,000 00	15
February, 1866	June, 1866	100,000 00	100,000 00	.....	16
1867.	1867.	100,000 00	100,000 00	.....	17
April, 1868	April, 1868	1,000,000 00	67,747 50	32,252 50	18
July 17, 1848	October 1, 1849	Mutual.	.....	.....	19
1864.	1865.	100,000 00	100,000 00	.....	20
1858.	1870.	Mutual.	.....	.....	21
May, 1851	September, 1851	100,000 00	*d* 25,500 00	.....	22
April 21, 1862	December 27, 1862	Mutual.	.....	.....	23
May 15, 1851	August 1, 1851	Mutual.	.....	.....	24
April 1, 1835	December 1, 1843	Mutual.	.....	.....	25
March 16, 1844	June 1, 1845	Mutual.	.....	.....	26
1867.	1867.	250,000 00	250,000 00	.....	27
February 24, 1853	April 1, 1853	Mutual.	.....	.....	28
November 23, 1857	April, 1858	Mutual.	.....	.....	29
January 31, 1845	April, 1845	Mutual.	.....	.....	30
1873.	1875.	100,000 00	100,000 00	15,000 00	31
July, 1864	July, 1864	125,000 00	125,000 00	.....	32
July 26, 1859	July 23, 1859	100,000 00	100,000 00	.....	33
1860.	1860.	200,000 00	200,000 00	.....	34
April 30, 1860	May 1, 1860	125,000 00	125,000 00	.....	35
1868.	1868.	300,000 00	100,000 00	.....	36
1853.	1853.	100,000 00	100,000 00	.....	37
1850.	August 1, 1850	100,000 00	100,000 00	.....	38
January, 1866	June, 1867	100,000 00	100,000 00	.....	39
April 12, 1842	February 1, 1843	Mutual.	.....	.....	40
1841.	1845.	Mutual.	.....	.....	41
February 25, 1875	August 10, 1875	100,000 00	100,000 00	.....	42
February, 1850	March 4, 1850	250,000 00	170,000 00 250,000 00	.....	43
January, 1860	February 2, 1860	125,000 00	125,000 00	.....	44
February 2, 1865	February 2, 1865	200,000 00	200,000 00	.....	45
1868.	1868.	500,000 00	100,000 00	.....	46
December 19, 1872	March 11, 1873	1,000,000 00	159,300 00	.....	47
April, 1872	November, 1872	120,000 00	120,000 00	.....	48
1867.	1867.	100,000 00	100,000 00	.....	49
April 9, 1850	October 8, 1850	500,000 00	500,000 00	.....	50
March, 1836	March, 1836	450,000 00	450,000 00	150,000 00	51
February 24, 1847	May 25, 1847	Mutual.	.....	.....	52
1759.	1759.	Mutual.	.....	.....	53
1865.	1865.	500,000 00	500,000 00	.....	54
November 13, 1848	February 1, 1850	Mutual.	.....	.....	55
October 28, 1868	January 1, 1869	125,000 00	100,000 00	.....	56
April, 1871	May 1, 1871	1,000,000 00	27,720 00	*e* 249,480 00	57
1869.	1869.	50,000 00	.....	.....	58
1857.	1858.	Mutual.	.....	.....	59

d Remnant of the original guarantee capital not yet redeemed.
e Secured by collateral, subject to call at any time and held without interest.
Receiver appointed December 23, 1880.

TABLE CXII.—LIFE INSURANCE—*Exhibit of the financial condition of*

	Name.	Ledger assets at beginning of year.	Increase or decrease of capital or of value of assets during the year (assets designated by *a*).	Ledger assets at beginning of year, as valued at close of year.
	Total	*Dollars.* 419, 868, 467 99	*Dollars.* −584, 071 34	*Dollars.* 419, 284, 396 65
1	Alabama Gold Life Insurance Company	538, 141 25	.....	538, 141 25
2	Mobile Life Insurance Company	576, 825 62	.....	576, 825 62
3	Pacific Mutual Life Insurance Company	1, 185, 678 65	.....	1, 185, 678 65
4	Ætna Life Insurance Company	23, 761, 342 09	.....	23, 761, 342 09
5	Charter Oak Life Insurance Company	11, 099, 150 86	−*a* 343, 966 71	10, 755, 184 15
6	Connecticut General Life Insurance Company	1, 341, 459 22	.....	1, 341, 459 22
7	Connecticut Mutual Life Insurance Company	46, 225, 182 44	.....	46, 225, 182 44
8	Continental Life Insurance Company of Hartford	2, 694, 110 65	.....	2, 694, 110 65
9	Hartford Life and Annuity Insurance Company	998, 675 78	−43, 600 00	955, 075 78
10	Phœnix Mutual Life Insurance Company	10, 534, 112 60	.....	10, 534, 112 60
11	Travelers' Insurance Company	4, 615, 832 06	.....	4, 615, 832 06
12	National Life Insurance Co. of the U. S. of America	3, 857, 093 85	−*a* 18, 538 40	3, 838, 555 45
13	Cotton States Life Insurance Company	459, 339 42	−15, 725 00	443, 614 42
14	Franklin Life Insurance Company	368, 405 00	.....	368, 405 00
15	Equitable Life Insurance Company of Iowa	386, 245 55	+27, 011 68	413, 257 23
16	Southern Mutual Life Insurance Co. of Kentucky	879, 682 75	.....	879, 682 75
17	Missouri Valley Life Insurance Company	368, 437 26	−*a* 17, 506 89	350, 930 37
18	Louisiana Equitable Life Insurance Company	167, 017 71	−32, 047 96	134, 969 75
19	Union Mutual Life Insurance Company	6, 736, 971 41	.....	6, 736, 971 41
20	Maryland Life Insurance Company of Baltimore	939, 224 20	.....	939, 224 20
21	Mutual Life Insurance Company of Baltimore	73, 487 89	−*a* 113 52	73, 374 37
22	Berkshire Life Insurance Company	3, 207, 232 20	.....	3, 207, 232 20
23	John Hancock Mutual Life Insurance Company	2, 638, 430 06	−*a* 6, 924 80	2, 631, 505 26
24	Massachusetts Mutual Life Insurance Company	6, 091, 679 06	.....	6, 091, 679 06
25	New England Mutual Life Insurance Company	13, 888, 663 15	.....	13, 888, 663 15
26	State Mutual Life Assurance Company	2, 280, 796 70	.....	2, 280, 796 70
27	The Michigan Mutual Life Insurance Company	823, 956 14	−*a* 10, 853 35	813, 102 79
28	Covenant Mutual Life Insurance Co. of Saint Louis	522, 126 58	.....	522, 126 58
29	German Mutual Life Insurance Co. of Saint Louis	365, 390 97	.....	365, 390 97
30	Mutual Benefit Life Insurance Company	32, 536, 692 35	.....	32, 536, 692 35
31	Prudential Insurance Company of America	21, 179 29	+94, 100 00	115, 279 29
32	Brooklyn Life Insurance Company	1, 836, 538 15	.....	1, 836, 538 15
33	Equitable Life Assurance Society of the U. S.	34, 195, 368 53	−*a* 296, 545 79	33, 898, 822 74
34	Germania Life Insurance Company	8, 110, 495 49	.....	8, 110, 495 49
35	Home Life Insurance Company	4, 674, 963 70	.....	4, 674, 963 70
36	Homœopathic Mutual Life Insurance Company	658, 626 58	−*a* 26, 523 70	632, 102 88
37	Knickerbocker Life Insurance Company	5, 505, 332 68	.....	5, 505, 332 68
38	Manhattan Life Insurance Company	9, 799, 106 31	.....	9, 799, 106 31
39	Metropolitan Life Insurance Company	1, 856, 569 49	−100, 000 00 −*a* 36, 932 45	1, 719, 637 04
40	Mutual Life Insurance Company of New York	84, 174, 076 42	.....	84, 174, 076 42
41	New York Life Insurance Company	35, 380, 557 84	−*a* 135, 966 93	35, 244, 590 91
42	Provident Savings Life Assurance Society	128, 787 92	.....	128, 787 92
43	U. S. Life Insurance Co. in the city of New York	4, 627, 171 25	.....	4, 627, 171 25
44	Washington Life Insurance Company	5, 253, 287 21	.....	5, 253, 287 21
45	Universal Life Insurance Company	3, 207, 506 48	.....	3, 207, 506 48
46	Western New York Life Insurance Company	183, 143 01	.....	183, 143 01
47	North Carolina State Life Insurance Company	260, 270 70	−*a* 18, 000 00	242, 270 70
48	Toledo Mutual Life Insurance Company	118, 437 00	.....	118, 437 00
49	Union Central Life Insurance Company	1, 404, 045 37	−*a* 70, 562 44	1, 333, 482 93
50	American Life Insurance Company	3, 730, 996 47	+*a* 19, 941 43	3, 750, 937 90
51	Girard Life Ins., An., and Trust Co. of Phila	2, 243, 643 36	+150, 000 00 +454, 891 41	2, 848, 534 77
52	Penn Mutual Life Insurance Co. of Philadelphia	6, 338, 288 38	−*a* 28, 707 92	6, 309, 580 46
53	Presbyterian Annuity and Life Insurance Co	159, 783 03	.....	159, 783 03
54	Provident Life and Trust Co. of Philadelphia	4, 177, 674 92	.....	4, 177, 674 92
55	National Life Insurance Company	2, 097, 514 66	−50, 000 00	2, 047, 514 66
56	Vermont Life Insurance Company	195, 556 09	.....	195, 556 09
57	Life Insurance Company of Virginia	462, 300 11	−27, 500 00	434, 800 11
58	Piedmont and Arlington Life Insurance Company	1, 600, 598 21	−50, 000 00	1, 550, 598 21
59	Northwestern Mutual Life Insurance Company	17, 305, 265 87	.....	17, 305, 265 87

a Assets.

life insurance companies during the year ending December 31, 1879—INCOME.

Gross cash premium receipts.	Premium notes and liens.	Premiums paid by dividends and by surrendered insurance.	Cash received for annuities.	Gross premium-receipts in cash and notes.	Less paid out for reinsurance.	Net premium receipts in cash and notes.	
Dollars. 48,395,558 88	*Dollars.* 2,618,208 46	*Dollars.* 5,843,639 69	*Dollars.* 757,095 46	*Dollars.* 57,615,102 49	*Dollars.* 166,750 04	*Dollars.* 57,448,352 45	
78,229 40	21,299 96	7,999 26	.....	107,528 62	1,221 38	106,307 24	1
141,187 08	.....	.....	.....	141,187 08	1,047 97	140,139 11	2
265,123 50	23,117 38	29,407 91	.....	317,648 79	874 53	316,774 26	3
1,829,474 95	385,114 21	279,597 68	.....	2,494,186 84	6,580 04	2,487,606 80	4
289,505 16	58,700 85	.....	.....	348,206 01	.....	348,206 01	5
146,771 61	14,949 32	.....	.....	161,720 93	2,395 69	159,325 24	6
3,044,962 56	22,358 75	2,683,120 36	.....	5,750,441 67	.....	5,750,441 67	7
200,681 72	59,691 86	58,995 77	.....	319,279 35	303 53	318,975 82	8
65,215 05	.....	3,109 65	.....	68,324 70	1,136 04	67,188 66	9
966,381 27	91,651 71	.....	.....	1,058,032 98	3,506 84	1,054,526 14	10
1,428,251 32	.....	.....	.....	1,428,251 32	1,600 96	1,426,650 36	11
322,703 57	9,764 72	73,487 69	.....	405,955 98	9,321 25	396,634 73	12
37,470 24	12,637 50	860 94	.....	50,968 68	.....	50,968 68	13
42,581 70	.....	.....	.....	42,581 70	.....	42,581 70	14
55,080 78	.....	542 46	.....	55,623 24	.....	55,623 24	15
112,116 23	12,831 47	27,659 76	.....	152,607 46	344 12	152,263 34	16
17,315 67	.....	.....	.....	17,315 67	.....	17,315 67	17
63,354 87	.....	.....	.....	63,354 87	1,822 94	61,531 93	18
596,143 38	121,749 00	179,906 03	.....	897,798 41	771 98	897,026 43	19
71,981 12	4,100 50	15,191 07	900 00	92,172 69	.....	92,172 69	20
32,844 93	383 36	.....	.....	33,228 29	442 81	32,785 48	21
281,795 06	35,883 29	74,233 61	.....	391,911 96	1,425 55	390,486 41	22
203,014 56	21,708 55	70,083 18	.....	294,806 29	763 09	294,043 20	23
538,677 26	119,773 45	121,805 30	.....	780,256 01	5,646 88	774,609 13	24
1,159,187 70	399,656 99	.....	.....	1,558,844 69	.....	1,558,844 69	25
136,569 68	59,519 67	79,430 43	.....	275,519 78	.....	275,519 78	26
190,265 35	252 25	35,497 93	318 04	226,333 57	399 93	225,933 64	27
30,286 72	5,966 92	5,115 27	.....	41,368 91	.....	41,368 91	28
11,598 37	.....	.....	.....	11,598 37	.....	11,598 37	29
2,216,107 04	134,775 46	1,433,323 39	9,498 18	3,793,704 07	.....	3,793,704 07	30
121,559 99	.....	.....	.....	121,559 99	.....	121,559 99	31
199,308 06	3,798 93	26,108 09	.....	229,215 08	340 86	228,874 22	32
6,391,404 62	.....	.....	7,092 34	6,398,496 96	2,096 81	6,396,400 15	33
1,171,504 17	.....	.....	5,740 80	1,177,244 97	.....	1,177,244 97	34
326,127 30	138,978 30	.....	.....	465,105 60	.....	465,105 60	35
102,976 13	.....	36,344 00	.....	139,320 13	5,883 58	133,436 55	36
602,468 70	66,525 57	.....	.....	668,994 27	49 47	668,944 80	37
908,308 36	80,260 44	1,103 00	4,000 00	993,671 80	.....	993,671 80	38
349,129 93	83,802 51	.....	.....	432,932 44	372 62	432,559 82	39
12,683,500 96	.....	.....	4,380 76	12,687,881 72	.....	12,687,881 72	40
5,256,080 41	.....	.....	694,015 34	5,950,095 75	84,856 47	5,865,239 28	41
45,430 91	312 25	.....	.....	45,743 16	5,844 71	39,898 45	42
650,074 75	.....	.....	.....	650,074 75	10,556 12	639,518 63	43
960,132 75	.....	.....	5,250 00	965,382 75	.....	965,382 75	44
162,126 30	36,956 18	279 39	.....	199,361 87	760 10	198,601 77	45
13,947 65	2,631 29	125 55	.....	16,704 49	67 05	16,637 44	46
34,163 79	.....	.....	.....	34,163 79	255 80	33,907 99	47
6,154 69	.....	702 13	.....	6,856 82	.....	6,856 82	48
197,462 65	64,384 70	135,830 89	.....	397,678 24	.....	397,678 24	49
263,765 33	32,349 51	21,590 93	.....	317,705 77	.....	317,705 77	50
45,636 49	.....	.....	9,450 00	55,086 49	.....	55,086 49	51
936,746 20	116,945 15	.....	.....	1,053,691 35	14,649 40	1,039,041 95	52
33,367 58	.....	.....	.....	33,367 58	243 75	33,123 83	53
673,253 93	8,246 99	126,946 93	17,050 00	825,497 85	.....	825,497 85	54
235,436 16	3,313 83	.....	.....	238,749 99	.....	238,749 99	55
21,686 51	.....	2,633 31	.....	24,319 82	869 52	23,450 30	56
52,903 88	.....	.....	.....	52,903 88	.....	52,903 88	57
94,927 00	81,527 42	15,103 85	.....	191,558 27	298 25	191,260 02	58
1,281,095 83	282,288 22	297,593 93	.....	1,860,977 98	.....	1,860,977 98	59

TABLE CXII.—LIFE INSURANCE—*Exhibit of the financial condition of life insur*

	Name.	Interest on mortgage loans.	Interest and dividends on bonds and stocks owned.	Interest on premium notes and liens.
	Total	*Dollars.* 14,045,978 71	*Dollars.* 6,728,355 96	*Dollars.* 2,045,837 22
1	Alabama Gold Life Insurance Company	13,492 85	3,679 50	3,860 79
2	Mobile Life Insurance Company	.....	19,214 43	.....
3	Pacific Mutual Life Insurance Company	69,395 81	444 00	4,575 69
4	Ætna Life Insurance Company	1,141,032 70	489,511 48	166,406 46
5	Charter Oak Life Insurance Company	89,778 87	.....	85,608 82
6	Connecticut General Life Insurance Company	39,611 03	19,052 46	7,345 80
7	Connecticut Mutual Life Insurance Company	2,304,982 84	408,556 46	276,600 43
8	Continental Life Insurance Company of Hartford	76,893 83	11,100 00	36,107 40
9	Hartford Life and Annuity Insurance Company	46,830 01	2,917 50	.....
10	Phœnix Mutual Life Insurance Company	435,047 86	44,039 90	133,391 15
11	Travelers' Insurance Company	150,485 80	100,822 32	.....
12	National Insurance Company of the U. S. of America	90,013 65	47,925 45	2,628 01
13	Cotton States Life Insurance Company	50 00	10,362 35	5,642 00
14	Franklin Life Insurance Company	33,032 71	16,457 25	.....
15	Equitable Life Insurance Company of Iowa	.....	.....	.....
16	Southern Mutual Life Insurance Company of Ky	37,659 83	19,439 26	8,436 55
17	Missouri Valley Life Insurance Company	.....	12,962 09	.....
18	Louisiana Equitable Life Insurance Company	.....	.....	3,430 82
19	Union Mutual Life Insurance Company	177,664 46	33,551 00	89,200 56
20	Maryland Life Insurance Company of Baltimore	4,938 40	37,419 59	3,008 13
21	Mutual Life Insurance Company of Baltimore	.....	416 25	363 86
22	Berkshire Life Insurance Company	122,212 41	43,960 09	11,631 42
23	John Hancock Mutual Life Insurance Company	80,016 77	40,004 38	14,873 12
24	Massachusetts Mutual Life Insurance Company	190,556 93	61,688 09	45,622 52
25	New England Mutual Life Insurance Company	132,836 84	527,725 03	112,488 54
26	State Mutual Life Assurance Company	.....	122,002 91	1,848 30
27	The Michigan Mutual Life Insurance Company	65,215 79	3,660 00	101 84
28	Covenant Mutual Life Insurance Co. of Saint Louis	17,992 09	2,396 69	8,214 20
29	German Mutual Life Insurance Co. of Saint Louis	23,719 91	1,440 00	.....
30	Mutual Benefit Life Insurance Company	644,352 90	970,754 07	293,681 81
31	Prudential Insurance Company of America	986 01	1,100 00	.....
32	Brooklyn Life Insurance Company	57,846 57	37,321 70	12,625 79
33	Equitable Life Assurance Soc. of the United States	706,649 40	597,492 35	.....
34	Germania Life Insurance Company	292,284 89	132,175 96	.....
35	Home Life Insurance Company	.....	226,712 67	57,098 71
36	Homœopathic Mutual Life Insurance Company	18,802 29	14,130 90	1,269 65
37	Knickerbocker Life Insurance Company	133,705 64	2,017 27	147,297 04
38	Manhattan Life Insurance Company	275,792 33	62,808 05	96,886 21
39	Metropolitan Life Insurance Company	51,412 32	29,597 50	16,596 73
40	Mutual Life Insurance Company of New York	3,765,037 42	951,667 04	.....
41	New York Life Insurance Company	924,560 06	886,156 02	66,589 49
42	Provident Savings Life Assurance Society	.....	6,000 00	.....
43	United States Life Ins. Co. in the city of New York	125,707 10	131,147 69	8,441 16
44	Washington Life Insurance Company	137,341 69	141,625 00	.....
45	Universal Life Insurance Company	30,102 09	13,852 00	23,172 02
46	Western New York Life Insurance Company	10,045 77	.....	1,140 66
47	North Carolina State Life Insurance Company	6,217 77	.....	.....
48	Toledo Mutual Life Insurance Company	5,866 10	.....	121 09
49	Union Central Life Insurance Company	81,214 19	1,724 00	12,508 52
50	American Life Insurance Company	83,855 38	63,401 71	22,461 41
51	Girard Life Insurance, An., and Trust Co., of Phila.	42,078 17	3,199 75	1,564 37
52	Penn Mutual Life Insurance Co. of Philadelphia	151,657 34	143,483 91	40,712 48
53	Presbyterian Annuity and Life Insurance Company	2,607 00	5,869 37	.....
54	Provident Life and Trust Company of Philadelphia	72,196 84	86,434 76	5,155 78
55	National Life Insurance Company	43,662 44	61,008 17	1,891 49
56	Vermont Life Insurance Company	6,279 75	1,791 50	2,177 04
57	Life Insurance Company of Virginia	.....	12,589 33	.....
58	Piedmont and Arlington Life Insurance Company	12,874 35	4,625 80	20,194 31
59	Northwestern Mutual Life Insurance Company	1,019,381 51	58,920 96	192,865 05

ance companies during the year ending December 31, 1879—INCOME—Continued.

Interest on other debts.	Discount on claims paid in advance.	Rent of company's property.	Profit on bonds, stocks, and real estate sold.	Total interest, etc., receipts.	Miscellaneous receipts.	Total income.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
775,704 85	79,230 85	1,564,643 47	82,341 81	25,322,092 87	618,412 47	83,388,857 79	
5,022 36	299 09	2,576 18	56 00	28,986 77	31 00	135,325 01	1
.....	.....	.....	.....	19,214 43	*a* 76,954 56	236,308 10	2
1,526 60	148 72	1,347 90	277 17	77,715 89	.....	394,490 15	3
24,220 93	9,523 56	.....	.....	1,830,695 13	.....	4,318,301 93	4
.....	.....	259,722 31	.....	435,110 00	*b* 26,109 74	809,425 75	5
3,631 50	.....	.....	.....	69,640 79	.....	228,966 03	6
28,597 29	.....	185,111 97	.....	3,203,848 99	.....	8,954,290 66	7
.....	.....	3,595 34	.....	127,696 57	19,708 08	466,380 47	8
450 00	.....	5,157 05	.....	55,854 56	13,077 00	135,620 22	9
6,846 45	.....	35,088 42	.....	654,413 78	.....	1,708,939 92	10
2,916 87	588 39	9,038 60	.....	263,851 98	.....	1,690,502 34	11
34,307 52	895 23	42,542 51	.....	218,312 37	.....	614,947 10	12
135 28	.....	140 00	.....	16,329 63	.....	67,298 31	13
.....	.....	.....	.....	16,457 25	23 24	59,062 19	14
.....	.....	444 84	.....	33,477 55	.....	89,100 79	15
2,001 48	85 00	2,819 21	478 06	70,919 39	147 48	223,330 21	16
.....	.....	5,491 90	.....	18,453 99	.....	35,769 66	17
.....	.....	.....	.....	3,430 82	19,746 68	84,709 43	18
5,419 37	5,447 87	33,310 59	.....	344,593 85	*c* 125,311 19	1,366,931 47	19
569 60	.....	1,995 83	.....	47,931 55	58 56	140,162 80	20
1,097 17	37 41	238 50	.....	2,153 19	4,493 36	39,432 03	21
5,822 90	280 10	13,921 10	.....	197,828 02	.....	588,314 43	22
7,530 48	3,694 75	13,838 21	.....	159,957 71	.....	454,000 91	23
.....	2,839 76	32,485 45	534 93	333,727 68	.....	1,108,356 81	24
13,312 50	.....	59,516 18	.....	845,879 09	14,445 73	2,419,169 51	25
.....	.....	.....	.....	123,851 21	.....	399,370 99	26
4,691 39	.....	.....	.....	73,669 02	.....	299,602 66	27
1,520 99	.....	3,849 48	1,842 74	35,816 19	.....	77,185 10	28
88 00	225 85	2,438 95	.....	27,912 71	45 00	39,556 08	29
.....	4,583 25	2,881 25	.....	1,916,253 28	.....	5,709,957 35	30
.....	.....	.....	.....	2,086 01	*d* 4,980 83	128,626 83	31
68 34	814 05	5,199 87	35,670 00	149,546 32	.....	378,420 54	32
311,608 65	.....	334,930 30	.....	1,950,680 70	.....	8,347,080 85	33
.....	80 71	34,361 33	.....	458,902 89	293 55	1,636,441 41	34
.....	.....	.....	.....	283,811 38	.....	748,916 98	35
1,207 08	.....	1,487 45	.....	36,897 37	.....	170,333 92	36
.....	22 53	63,708 90	.....	346,751 38	.....	1,015,696 18	37
75,107 86	6,318 22	37,234 49	.....	554,147 16	449 14	1,548,268 10	38
.....	5,753 17	31,678 97	.....	135,038 69	.....	567,598 51	39
68,877 07	.....	156,630 17	.....	4,942,211 70	.....	17,630,093 42	40
49,952 56	.....	94,628 69	.....	2,021,886 82	.....	7,887,126 10	41
.....	.....	.....	.....	6,000 00	*e* 23,000 00	68,898 45	42
4,615 72	1,663 50	3,218 80	.....	274,793 97	.....	914,312 60	43
7,529 16	11,104 54	.....	1,935 24	299,535 63	.....	1,264,918 38	44
2,286 84	.....	3,038 90	.....	72,451 85	*f* 203,328 86	474,392 48	45
148 04	17 18	.....	.....	11,351 65	5,588 22	33,577 31	46
.....	40 00	.....	.....	6,257 77	1,246 71	41,412 47	47
.....	.....	.....	.....	5,987 19	.....	12,844 01	48
565 19	17,738 34	7,785 17	832 84	122,368 25	.....	520,046 49	49
15,923 88	732 92	17,455 24	2,675 00	206,505 54	.....	524,211 31	50
2,570 21	178 62	27,483 33	8,940 07	86,014 52	21,348 59	162,449 60	51
16,316 91	.....	13,134 54	4,319 02	369,624 20	4,924 24	1,413,590 39	52
100 59	.....	487 50	.....	9,064 46	.....	42,188 29	53
16,369 84	581 37	.....	24,780 74	205,519 33	.....	1,031,017 18	54
5,904 08	442 05	4,106 63	.....	117,014 86	.....	355,764 85	55
.....	.....	268 75	.....	10,517 04	.....	33,967 34	56
.....	.....	.....	.....	12,589 33	8,037 14	73,530 35	57
7,292 50	4,818 31	3,681 02	.....	53,486 29	45,053 57	289,799 88	58
39,551 65	276 36	6,571 65	.....	1,317,567 18	.....	3,178,545 16	59

a $75,000 of which is borrowed money.
b Premium notes and liens on policies.
c Net appreciation of assets.
d Note discounted.
e Donations from stockholders.
f Bills payable and borrowed money.

TABLE CXIII.—LIFE INSURANCE.—*Exhibit of the financial transactions of life*

	Name.	Gross ledger assets at close of year.	Cash paid for losses.	Premium notes and liens used in settlement of losses.
	Total	*Dollars.* 502,673,254 44	*Dollars.* 23,015,899 61	*Dollars.* 725,524 39
1	Alabama Gold Life Insurance Company	673,466 26	84,554 84	1,828 05
2	Mobile Life Insurance Company	813,133 72	107,605 83	.....
3	Pacific Mutual Life Insurance Company	1,580,168 80	68,697 45	2,090 94
4	Ætna Life Insurance Company	28,079,644 02	1,280,427 20	96,100 23
5	Charter Oak Life Insurance Company	11,564,609 90	304,287 27	38,681 00
6	Connecticut General Life Insurance Company	1,570,425 25	78,367 40	.....
7	Connecticut Mutual Life Insurance Company	55,179,473 10	2,711,004 15	63,379 97
8	Continental Life Insurance Company of Hartford	3,160,491 12	81,466 00	15,806 51
9	Hartford Life and Annuity Insurance Company	1,090,696 00	30,694 00	.....
10	Phœnix Mutual Life Insurance Company	12,243,052 52	441,768 58	43,906 52
11	Travelers' Insurance Company	6,306,334 40	520,058 36	.....
12	National Life Insurance Co. of the U. S. of America	4,453,502 55	233,755 16	4,229 85
13	Cotton States Life Insurance Company	510,912 73	31,117 57	8,676 91
14	Franklin Life Insurance Company	427,467 19	18,360 00	.....
15	Equitable Life Insurance Company of Iowa	502,358 02	4,677 95	.....
16	Southern Mutual Life Insurance Co. of Kentucky	1,103,012 96	33,288 30	467 00
17	Missouri Valley Life Insurance Company	386,700 03	14,126 99	.....
18	Louisiana Equitable Life Insurance Company	219,679 18	57,180 00	.....
19	Union Mutual Life Insurance Company	8,103,902 88	399,872 59	24,993 44
20	Maryland Life Insurance Company of Baltimore	1,079,387 00	27,614 00	1,629 00
21	Mutual Life Insurance Company of Baltimore	112,806 40	11,287 05	.....
22	Berkshire Life Insurance Company	3,795,546 63	104,564 37	2,596 84
23	John Hancock Mutual Life Insurance Company	3,085,506 17	156,354 85	5,786 28
24	Massachusetts Mutual Life Insurance Company	7,200,015 87	401,156 92	12,766 54
25	New England Mutual Life Insurance Company	16,307,832 66	776,263 12	35,226 88
26	State Mutual Life Assurance Company	2,680,167 69	99,604 52	.....
27	The Michigan Mutual Life Insurance Company	1,112,705 45	82,794 32	421 26
28	Covenant Mutual Life Insurance Co. of Saint Louis	593,311 68	24,330 33	926 67
29	German Mutual Life Insurance Co. of Saint Louis	404,947 05	20,547 25	.....
30	Mutual Benefit Life Insurance Company	38,246,649 70	1,917,836 96	125,507 99
31	Prudential Insurance Company of America	243,906 12	23,012 61	.....
32	Brooklyn Life Insurance Company	2,214,958 69	107,383 54	2,159 60
33	Equitable Life Assurance Society of the U. S.	42,245,903 59	2,248,463 93	.....
34	Germania Life Insurance Company	9,746,936 90	523,166 57	.....
35	Home Life Insurance Company	5,423,880 68	173,579 89	15,193 11
36	Homœopathic Mutual Life Insurance Company	802,436 80	32,980 00	.....
37	Knickerbocker Life Insurance Company	6,521,028 86	423,558 79	68,665 29
38	Manhattan Life Insurance Company	11,347,374 41	631,692 39	51,344 61
39	Metropolitan Life Insurance Company	2,287,235 55	141,831 05	2,589 63
40	Mutual Life Insurance Company of New York	101,804,169 84	4,124,838 84	.....
41	New York Life Insurance Company	43,131,717 01	1,590,909 08	13,945 14
42	Provident Savings Life Assurance Society	197,686 37	11,919 20	.....
43	U. S. Life Insurance Co. in the city of New York	5,541,483 85	229,686 49	.....
44	Washington Life Insurance Company	6,518,205 59	328,057 10	.....
45	Universal Life Insurance Company	3,681,898 96	167,413 06	8,789 23
46	Western New York Life Insurance Company	216,720 32	13,708 17	941 83
47	North Carolina State Life Insurance Company	283,683 17	18,000 00	.....
48	Toledo Mutual Life Insurance Company	131,281 01	2,028 30	.....
49	Union Central Life Insurance Company	1,853,529 42	80,449 44	2,205 29
50	American Life Insurance Company	4,275,149 21	298,384 90	12,274 70
51	Girard Life Ins., An., and Trust Co. of Philadelphia	3,010,984 37	71,250 00	.....
52	Penn Mutual Life Insurance Co. of Philadelphia	7,723,170 85	370,603 71	15,369 08
53	Presbyterian Annuity and Life Insurance Company	201,971 32	15,500 00	.....
54	Provident Life and Trust Company of Philadelphia	5,208,692 10	222,521 00	.....
55	National Life Insurance Company	2,403,279 51	88,966 07	798 69
56	Vermont Life Insurance Company	229,523 43	1,000 00	.....
57	Life Insurance Company of Virginia	508,330 46	38,108 35	.....
58	Piedmont and Arlington Life Insurance Company	1,840,398 09	135,772 41	13,852 54
59	Northwestern Mutual Life Insurance Company	20,483,811 03	777,451 39	42,373 77

insurance companies during the year ending December 31, 1879—DISBURSEMENTS.

Cash paid for matured endowments.	Premium notes and liens used in settlement of matured endowments.	Gross amount paid for losses and matured endowments.	Less amount received on reinsurances.	Total policy payments, less reinsurance.	Cash paid to annuitants.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
8,959,859 30	1,005,968 92	33,707,252 22	97,540 00	33,609,712 22	275,689 26	
.....	.....	86,382 89	695 00	85,687 89	.....	1
.....	.....	107,605 83	.....	107,605 83	.....	2
120,003 53	12,774 89	203,566 81	.....	203,566 81	.....	3
721,004 20	58,181 37	2,155,713 00	23,095 00	2,132,618 00	.....	4
209,735 29	129,787 00	682,490 56	.....	682,490 56	.....	5
37,846 00	.....	116,213 40	.....	116,213 40	.....	6
917,271 49	53,609 93	3,745,265 54	.....	3,745,265 54	.....	7
148,253 88	57,361 35	302,887 74	.....	302,887 74	.....	8
7,284 98	.....	37,978 98	.....	37,978 98	.....	9
165,712 78	33,840 22	685,228 10	.....	685,228 10	.....	10
14,366 66	.....	534,425 02	.....	534,425 02	1,150 00	11
50,724 30	484 70	289,194 01	16,750 00	272,444 01	474 00	12
3,299 98	8,435 76	51,530 22	.....	51,530 22	.....	13
.....	.....	18,360 00	.....	18,360 00	.....	14
2,856 22	.....	7,534 17	.....	7,534 17	.....	15
.....	.....	33,755 30	.....	33,755 30	.....	16
19,144 56	.....	33,271 55	.....	33,271 55	.....	17
.....	.....	57,180 00	.....	57,180 00	.....	18
271,950 00	70,319 00	767,135 03	.....	767,135 03	.....	19
.....	.....	29,243 00	.....	29,243 00	327 10	20
.....	.....	11,287 05	.....	11,287 05	7,866 37	21
55,501 12	1,474 88	164,137 21	.....	164,137 21	.....	22
115,805 72	15,988 01	293,934 86	.....	293,934 86	1,260 63	23
124,004 61	19,495 39	557,423 46	3,500 00	553,923 46	.....	24
392,282 26	66,094 74	1,269,867 00	.....	1,269,867 00	.....	25
14,400 00	.....	114,004 52	.....	114,004 52	.....	26
21,001 83	.....	104,217 41	.....	104,217 41	405 56	27
15,116 66	7,526 64	47,900 30	.....	47,900 30	.....	28
2,936 35	.....	23,483 60	.....	23,483 60	.....	29
466,258 98	116,798 25	2,626,402 18	.....	2,626,402 18	5,190 71	30
.....	.....	23,012 61	.....	23,012 61	.....	31
164,373 63	28,723 37	302,640 14	.....	302,640 14	.....	32
318,738 10	.....	2,567,202 03	.....	2,567,202 03	9,084 47	33
116,541 72	.....	639,708 29	.....	639,708 29	1,835 49	34
126,548 35	30,128 65	345,450 00	.....	345,450 00	1,167 17	35
22,509 00	.....	55,489 00	.....	55,489 00	.....	36
111,445 42	48,753 72	642,423 22	.....	642,423 22	177 00	37
103,644 72	25,291 28	811,973 00	.....	811,973 00	5,708 37	38
55,294 32	17,883 68	217,598 68	.....	217,598 68	.....	39
1,869,161 05	.....	5,993,999 89	.....	5,993,999 89	25,080 78	40
1,013,327 05	1,929 17	2,620,110 44	35,000 00	2,585,110 44	194,759 52	41
.....	.....	11,919 20	.....	11,919 20	.....	42
61,049 28	.....	290,735 77	3,500 00	287,235 77	.....	43
172,588 01	.....	500,645 11	.....	500,645 11	2,218 26	44
113,505 93	21,748 11	311,456 33	.....	311,456 33	550 52	45
.....	.....	14,650 00	.....	14,650 00	.....	46
.....	.....	18,000 00	.....	18,000 00	.....	47
.....	.....	2,028 30	.....	2,028 30	.....	48
6,948 49	1,242 51	90,845 73	.....	90,845 73	.....	49
29,888 11	9,948 89	350,496 60	.....	350,496 60	1,530 00	50
.....	.....	71,250 00	.....	71,250 00	3,222 68	51
70,566 08	7,152 92	463,691 79	15,000 00	448,691 79	.....	52
.....	.....	15,500 00	.....	15,500 00	3,790 51	53
53,912 48	.....	276,433 48	.....	276,433 48	8,013 02	54
12,583 46	340 54	102,688 76	.....	102,688 76	1,877 10	55
1,400 00	.....	2,400 00	.....	2,400 00	.....	56
.....	.....	38,108 35	.....	38,108 35	.....	57
31,441 03	*a* 27,326 68	208,392 66	.....	208,392 66	.....	58
607,631 67	133,327 27	1,560,784 10	.....	1,560,784 10	.....	59

a Of which $19,980 is an error in footings in the company's statement.

TABLE CXIII.—LIFE INSURANCE—*Exhibit of the financial transactions of life insur*

	Name.	Cash paid for surrendered insurance.	Premium notes or liens on surrenders and lapses.	Premiums paid by surrender of other insurance.
		Dollars.	*Dollars.*	*Dollars.*
	Total	9,906,333 96	2,626,949 00	2,450,999 03
1	Alabama Gold Life Insurance Company	10,441 29	13,907 39	621 99
2	Mobile Life Insurance Company	17,168 11		
3	Pacific Mutual Life Insurance Company	43,784 27	11,417 28	21,709 60
4	Ætna Life Insurance Company	25,575 38	60,979 44	279,597 68
5	Charter Oak Life Insurance Company	109,675 27	192,258 22	
6	Connecticut General Life Insurance Company	29,875 42	3,859 48	
7	Connecticut Mutual Life Insurance Company	210,386 27	259,484 93	1,036,584 68
8	Continental Life Insurance Company of Hartford	55,501 04	180,853 78	58,905 77
9	Hartford Life and Annuity Insurance Company	8,380 80		
10	Phœnix Mutual Life Insurance Company	236,261 30	198,539 33	78,911 55
11	Travelers' Insurance Company	34,594 98		
12	National Life Insurance Co. of the U. S. of America	76,854 02	2,146 68	91,650 89
13	Cotton States Life Insurance Company		33,531 79	
14	Franklin Life Insurance Company			8,034 16
15	Equitable Life Insurance Company of Iowa	*a* 13,141 43		
16	Southern Mutual Life Insurance Company of Kentucky	12,510 01	20,602 80	29,275 53
17	Missouri Valley Life Insurance Company	32,663 46		
18	Louisiana Equitable Life Insurance Company			
19	Union Mutual Life Insurance Company	110,962 83	124,152 99	179,906 03
20	Maryland Life Insurance Company of Baltimore	2,561 57	1,926 00	2,012 00
21	Mutual Life Insurance Company of Baltimore	4,741 59		
22	Berkshire Life Insurance Company	35,402 10	18,504 73	34,340 29
23	John Hancock Mutual Life Insurance Company	12,764 46	17,795 99	33,040 23
24	Massachusetts Mutual Life Insurance Company	20,279 86	58,981 36	46,423 99
25	New England Mutual Life Insurance Company	229,785 22	38,140 21	
26	State Mutual Life Assurance Company	14,915 38		
27	The Michigan Mutual Life Insurance Company	1,497 37	177 61	30,608 52
28	Covenant Mutual Life Insurance Co. of Saint Louis	14,817 91	21,849 67	1,506 20
29	German Mutual Life Insurance Co. of Saint Louis	1,725 85		
30	Mutual Benefit Life Insurance Company	366,327 95	187,227 83	241,535 21
31	Prudential Insurance Company of America			
32	Brooklyn Life Insurance Company	70,421 06	11,491 24	3,659 94
33	Equitable Life Assurance Society of the United States	*b* 1,002,185 33		
34	Germania Life Insurance Company	213,497 94		13,010 17
35	Home Life Insurance Company	22,650 33	86,585 35	
36	Homœopathic Mutual Life Insurance Company	67,984 80		36,344 00
37	Knickerbocker Life Insurance Company	297,090 23	242,102 71	
38	Manhattan Life Insurance Company	94,508 91	90,854 75	
39	Metropolitan Life Insurance Company	90,612 15	79,563 41	
40	Mutual Life Insurance Company of New York	4,568,995 81		
41	New York Life Insurance Company	494,255 65	22,024 96	
42	Provident Savings Life Assurance Society	1,882 62		
43	U. S. Life Insurance Company in the city of New York	257,551 22		
44	Washington Life Insurance Company	272,932 15		1,644 23
45	Universal Life Insurance Company	21,114 78	279,200 25	279 39
46	Western New York Life Insurance Company	18,381 42	13,751 51	125 55
47	North Carolina State Life Insurance Company			564 91
48	Toledo Mutual Life Insurance Company	3,103 05	3,300 00	
49	Union Central Life Insurance Company	56,957 77	28,023 30	122,576 36
50	American Life Insurance Company	244,782 76	55,295 68	19,654 37
51	Girard Life Insurance, Annuity, and Trust Co. of Phila	15,783 00		
52	Penn Mutual Life Insurance Company of Philadelphia	139,393 22	42,627 03	
53	Presbyterian Annuity and Life Insurance Company	2,309 03		
54	Provident Life and Trust Company of Philadelphia	54,015 34	2,138 93	4,788 00
55	National Life Insurance Company	32,848 46	1,216 31	
56	Vermont Life Insurance Company		453 19	20 21
57	Life Insurance Company of Virginia	8,544 47		
58	Piedmont and Arlington Life Insurance Company	12,524 45	94,083 39	202 03
59	Northwestern Mutual Life Insurance Company	109,412 87	127,899 48	73,465 55

a By issue of paid-up policies. *b* And discounted endowments.

ance companies during the year ending December 31, 1879—DISBURSEMENTS—Cont'd.

Cash dividends to policy holders.	Dividends to policy holders by cancellation of their notes or liens.	Total returned to policy holders in cash and by cancellation of their indebtedness.	To stockholders for interest or dividends.	For agents' commissions.	
Dollars. 12,229,587 98	*Dollars.* 1,340,039 18	*Dollars.* 62,439,310 63	*Dollars.* 468,393 77	*Dollars.* 3,871,524 44	
7,687 14	1,328 08	119,673 78	20,000 00	4,309 97	1
2,584 35	.....	127,358 29	.....	15,021 00	2
8,519 86	2,328 21	291,326 03	.....	40,958 91	3
320,166 60	192,901 28	3,011,838 38	75,000 00	213,585 59	4
.....	.....	984,424 05	.....	48,463 88	5
2,346 42	2,909 75	155,204 47	15,000 00	7,917 46	6
1,681,618 29	203,646 68	7,136,986 39	.....	308,145 59	7
12,281 86	2,261 29	612,691 48	.....	26,378 81	8
9,018 73	.....	55,378 51	17,976 00	4,457 09	9
178,285 85	24,487 74	1,401,713 87	6,000 00	63,559 84	10
.....	.....	570,170 00	72,000 00	267,321 39	11
.....	.....	443,569 60	25,000 00	20,856 88	12
1,689 67	.....	86,751 68	3,146 25	685 49	13
8,901 56	.....	35,295 72	.....	535 38	14
7,507 31	.....	28,182 91	5,600 00	.....	15
21,463 33	3,671 06	121,278 03	8,542 50	8,133 10	16
172 39	.....	66,107 40	.....	.....	17
.....	.....	57,180 00	.....	8,510 84	18
1,889 40	29,992 85	1,214,039 13	.....	131,742 07	19
14,770 14	3,825 15	54,664 96	8,000 00	3,806 14	20
.....	.....	23,895 01	648 99	104 76	21
77,984 95	2,627 64	332,996 92	1,785 00	30,812 98	22
43,863 87	16,169 98	418,830 02	.....	22,863 93	23
90,052 19	71,807 28	841,468 14	.....	47,501 68	24
410,006 80	86,834 05	2,034,633 28	.....	81,491 56	25
79,430 43	.....	208,350 33	.....	18,929 58	26
22,040 74	.....	158,947 21	25,000 00	11,872 99	27
3,664 52	2,030 15	91,768 75	.....	1,603 90	28
33 11	.....	25,242 56	.....	1,049 60	29
1,335,177 75	82,095 46	4,843,957 09	.....	278,084 82	30
.....	.....	23,012 61	9,000 00	32,338 08	31
14,985 20	7,468 08	410,665 66	12,500 00	14,404 09	32
1,410,399 26	.....	4,988,871 09	7,000 00	372,933 55	33
155,460 95	.....	1,023,512 84	24,000 00	104,362 28	34
29,947 96	76,182 22	561,983 03	15,000 00	39,167 58	35
280 09	.....	160,097 89	.....	4,947 48	36
83,205 94	471 00	1,265,470 10	12 50	10,612 59	37
234,825 81	15,730 95	1,253,601 79	40,000 00	82,969 32	38
2,059 70	.....	389,833 94	.....	29,971 76	39
3,427,479 00	.....	14,015,555 48	.....	668,942 74	40
1,514,551 33	10,788 51	4,821,490 41	.....	390,295 32	41
405 44	.....	14,207 26	.....	7,799 48	42
39,901 58	.....	584,688 57	28,927 50	72,150 27	43
197,067 00	.....	974,506 75	8,636 25	49,138 41	44
.....	.....	612,601 27	.....	5,554 20	45
.....	.....	46,908 48	.....	2,019 13	46
89 70	.....	18,654 61	.....	2,285 37	47
702 13	.....	9,133 48	5,777 70	276 04	48
14,307 55	8,731 93	321,442 64	.....	21,439 07	49
476 25	1,460 31	673,695 97	.....	21,311 19	50
.....	.....	90,255 68	18,089 50	95 00	51
171,942 16	62,877 07	865,531 27	.....	58,994 77	52
.....	.....	21,599 54	.....	303 42	53
135,629 60	9,582 19	490,600 56	.....	55,807 32	54
53,027 95	1,694 89	193,353 47	1,435 58	16,234 00	55
2,613 10	.....	5,486 50	6,000 00	2,329 86	56
5,590 71	.....	52,243 53	8,316 00	3,232 20	57
14,901 82	2,532 18	332,636 53	.....	7,179 83	58
378,580 49	413,603 20	2,663,745 69	.....	125,724 86	59

TABLE CXIII.—LIFE INSURANCE—*Exhibit of the financial transactions of life insur*

	Name.	For salaries, traveling expenses, etc., of managers and agents.	For medical examination fees.	For compensation of officers and office employés.
	Total	*Dollars.* 912,688 12	*Dollars.* 397,833 88	*Dollars.* 2,193,755 54
1	Alabama Gold Life Insurance Company	2,100 00	226 50	17,250 00
2	Mobile Life Insurance Company	5,361 95	2,148 10	10,407 65
3	Pacific Mutual Life Insurance Company	13,665 74	3,618 48	23,420 00
4	Ætna Life Insurance Company	15,465 15	12,995 39	51,403 43
5	Charter Oak Life Insurance Company	18,783 35	1,889 80	44,382 39
6	Connecticut General Life Insurance Company	12,919 97	1,173 65	14,332 02
7	Connecticut Mutual Life Insurance Company	10,105 58	12,544 25	97,574 29
8	Continental Life Insurance Company of Hartford	35,922 05	6,376 00	33,385 33
9	Hartford Life and Annuity Insurance Company	8,166 13	429 00	6,224 94
10	Phœnix Mutual Life Insurance Company	44,571 32	3,890 72	37,806 58
11	Travelers' Insurance Company	116,368 98	17,040 07	74,856 46
12	National Life Insurance Co. of the U. S. of America	8,305 10	2,095 30	47,169 08
13	Cotton States Life Insurance Company	.....	45 00	4,000 00
14	Franklin Life Insurance Company	7,353 74	528 00	6,488 15
15	Equitable Life Insurance Company of Iowa	10,329 84	654 00	12,014 92
16	Southern Mutual Life Insurance Company of Kentucky	16,196 64	1,960 55	13,317 01
17	Missouri Valley Life Insurance Company	3,175 81	.....	4,044 73
18	Louisiana Equitable Life Insurance Company	3,595 44	2,414 00	7,055 98
19	Union Mutual Life Insurance Company	.....	9,859 25	66,594 17
20	Maryland Life Insurance Company of Baltimore	4,311 80	1,062 00	10,321 30
21	Mutual Life Insurance Company of Baltimore	1,716 00	1,122 34	2,320 00
22	Berkshire Life Insurance Company	18,832 13	2,825 00	15,752 14
23	John Hancock Mutual Life Insurance Company	28,580 75	7,786 36	22,651 86
24	Massachusetts Mutual Life Insurance Company	40,239 13	3,572 00	36,760 72
25	New England Mutual Life Insurance Company	.....	5,233 00	77,640 84
26	State Mutual Life Assurance Company	2,048 74	1,335 00	17,995 01
27	The Michigan Mutual Life Insurance Company	26,892 54	2,014 94	11,763 23
28	Covenant Mutual Life Insurance Co. of Saint Louis	7,695 74	1,800 00	11,700 00
29	German Mutual Life Insurance Company of Saint Louis	.....	66 00	2,396 00
30	Mutual Benefit Life Insurance Company	.....	24,927 28	86,884 10
31	Prudential Insurance Company of America	10,265 14	8,026 45	11,116 58
32	Brooklyn Life Insurance Company	16,825 32	4,529 63	19,836 00
33	Equitable Life Assurance Society of the United States	53,179 79	47,336 78	254,135 05
34	Germania Life Insurance Company	38,584 51	9,783 98	64,342 33
35	Home Life Insurance Company	26,064 08	2,364 00	25,342 79
36	Homœopathic Mutual Life Insurance Company	6,717 67	378 00	8,902 48
37	Knickerbocker Life Insurance Company	9,702 93	1,768 32	30,756 65
38	Manhattan Life Insurance Company	15,736 73	7,776 00	61,123 77
39	Metropolitan Life Insurance Company	3,089 02	7,941 64	23,665 35
40	Mutual Life Insurance Company of New York	59,108 26	90,953 23	238,369 16
41	New York Life Insurance Company	47,000 00	40,894 30	183,231 09
42	Provident Savings Life Assurance Society	4,318 37	1,909 77	6,637 85
43	U. S. Life Insurance Company in the city of New York	10,882 67	8,635 29	45,088 60
44	Washington Life Insurance Company	15,061 61	6,705 20	42,819 35
45	Universal Life Insurance Company	8,380 54	.....	43,121 49
46	Western New York Life Insurance Company	2,015 25	134 50	1,500 00
47	North Carolina State Life Insurance Company	1,678 52	310 00	5,764 27
48	Toledo Mutual Life Insurance Company	171 40	68 50	1,550 00
49	Union Central Life Insurance Company	12,479 30	1,130 03	24,740 03
50	American Life Insurance Company	.....	191 00	20,466 67
51	Girard Life Ins., An., and Trust Co. of Philadelphia	.....	18 00	.....
52	Penn Mutual Life Insurance Company of Philadelphia	23,146 67	8,630 50	35,280 87
53	Presbyterian Annuity and Life Insurance Company	.....	51 00	2,541 06
54	Provident Life and Trust Company of Philadelphia	17,362 42	5,345 78	36,363 04
55	National Life Insurance Company	6,313 76	1,721 50	9,969 44
56	Vermont Life Insurance Company	1,304 19	314 50	5,257 01
57	Life Insurance Company of Virginia	5,043 64	297 00	6,500 00
58	Piedmont and Arlington Life Insurance Company	1,370 00	773 00	9,829 99
59	Northwestern Mutual Life Insurance Company	54,182 71	8,214 00	107,592 29

ance companies during the year ending December 31, 1879—DISBURSEMENTS—Cont'd.

For taxes and licenses.	For rent.	For commutation of commissions.	For advertising.	Miscellaneous disbursements.	Total disbursements.	
Dollars. 1,467,370 68	*Dollars.* 321,476 03	*Dollars.* 405,749 44	*Dollars.* 416,142 42	*Dollars.* 3,194,893 62	*Dollars.* 76,089,138 57	
3,086 40	1,107 00	1,120 00	102 00	13,526 74	182,502 39	1
1,519 20	1,050 00	.....	1,761 76	5,600 94	170,228 89	2
1,026 87	4,503 50	14,036 29	3,462 85	23,343 64	419,362 31	3
115,603 26	8,284 45	.....	6,271 22	69,869 24	3,580,316 11	4
60,726 17	17,831 24	1,292 39	1,826 24	*a* 343,038 67	1,522,658 18	5
5,196 45	.....	.....	4,888 74	4,377 48	221,010 24	6
340,533 89	.....	.....	39,296 97	118,041 77	8,063,228 73	7
8,145 88	5,899 68	.....	3,092 34	24,451 12	756,342 69	8
7,638 51	706 16	.....	803 75	10,620 40	112,400 49	9
60,123 76	13,818 44	.....	3,910 91	132,302 28	1,767,697 72	10
17,384 29	12,344 00	.....	37,258 15	55,633 82	1,240,377 16	11
38,764 33	5,507 47	.....	4,854 82	47,904 18	644,026 76	12
582 81	900 00	2,789 89	40 00	1,244 74	100,185 86	13
1,568 97	.....	.....	471 10	2,744 49	54,985 55	14
1,630 90	1,500 00	.....	986 84	1,189 70	62,089 11	15
1,839 15	1,312 50	.....	2,062 94	7,340 50	181,982 92	16
3,540 98	.....	.....	546 97	5,255 30	82,671 19	17
1,655 00	1,373 32	.....	1,710 89	2,190 70	85,686 17	18
8,824 02	.....	.....	.....	94,673 52	1,525,732 16	19
3,614 32	60 00	.....	873 30	2,530 53	89,244 35	20
594 58	407 00	.....	140 90	3,863 67	34,813 25	21
4,047 02	4,013 11	.....	3,904 64	11,170 14	426,139 08	22
7,096 33	7,371 51	1,736 37	2,616 82	21,526 11	541,060 06	23
11,127 93	8,312 59	.....	5,523 52	87,782 73	1,082,288 44	24
14,413 07	.....	.....	13,412 66	116,610 28	2,343,434 69	25
1,236 97	2,000 00	.....	.....	.....	251,895 63	26
5,768 06	1,678 25	.....	256 71	6,000 09	250,194 02	27
1,129 72	1,240 00	.....	310 80	5,034 60	122,283 51	28
3,171 45	216 70	109 45	206 50	2,728 14	35,186 40	29
56,482 55	.....	.....	45,618 42	126,387 74	5,462,342 00	30
159 00	1,377 34	.....	1,100 03	10,840 43	107,235 66	31
2,795 96	8,512 88	.....	2,418 98	30,017 06	522,505 58	32
81,266 98	99,886 11	28,132 36	43,791 69	288,372 57	6,264,905 97	33
8,004 14	11,435 20	3,666 88	7,523 81	23,367 24	1,318,583 21	34
3,885 62	8,180 11	.....	2,783 00	10,812 27	695,582 48	35
1,341 36	2,000 00	1,390 04	882 30	9,355 25	196,012 47	36
7,482 23	12,000 00	.....	6,515 62	32,690 06	1,377,011 00	37
8,639 82	13,250 00	.....	10,808 45	147,366 85	1,641,272 73	38
4,152 08	7,053 71	.....	16,993 08	18,425 97	501,126 55	39
350,324 26	6,000 00	*b* 302,908 08	32,085 12	274,407 83	16,038,654 16	40
88,752 17	.....	.....	45,994 11	226,231 29	5,843,888 69	41
937 12	2,341 56	4,000 00	904 81	3,378 32	46,434 54	42
7,522 93	10,648 87	.....	13,310 43	45,405 09	827,260 22	43
7,115 12	6,750 00	25,716 14	6,509 30	47,022 74	1,189,980 87	44
.....	437 50	.....	990 26	393,671 92	1,064,757 18	45
747 27	413 25	.....	101 15	5,218 99	59,058 02	46
222 47	250 00	.....	562 36	917 83	30,645 43	47
221 04	541 66	.....	68 39	912 69	18,720 90	48
3,810 84	5,530 54	.....	5,844 91	15,163 00	411,580 36	49
18,328 00	.....	.....	3,032 31	16,520 52	753,545 66	50
2,712 06	825 00	.....	1,511 30	43,535 04	157,041 58	51
24,281 61	6,266 03	5,504 72	12,632 66	40,439 51	1,080,708 61	52
233 22	350 00	.....	687 63	2,621 77	28,387 64	53
14,847 91	2,779 49	.....	4,437 16	17,591 43	645,135 11	54
5,514 21	1,978 89	.....	545 70	8,793 28	245,859 83	55
371 11	749 00	.....	479 92	1,561 59	23,853 68	56
1,928 32	695 00	.....	1,160 43	1,211 81	80,627 93	57
3,973 46	914 27	.....	732 05	20,049 50	377,458 63	58
c 29,727 53	8,872 70	13,346 83	5,522 70	112,008 51	3,128,937 82	59

a Of which $252,314 46 was expended in repairs, improvements, etc., to the company's property.
b Contingent guaranty account.
c Not including taxes on property held under foreclosure.

TABLE CXIV.—LIFE INSURANCE—*Exhibit of the financial condition of*

	Name.	Net ledger assets at close of year.	Cost value of real estate.
		Dollars.	*Dollars.*
	Total	426, 584, 115 87	63, 820, 691 60
1	Alabama Gold Life Insurance Company	490, 963 87	96, 774 63
2	Mobile Life Insurance Company	642, 904 83	27, 427 34
3	Pacific Mutual Life Insurance Company	1, 160, 806 49	87, 912 39
4	Ætna Life Insurance Company	24, 499, 327 91	644, 901 77
5	Charter Oak Life Insurance Company	10, 041, 951 72	5, 848, 358 53
6	Connecticut General Life Insurance Company	1, 349, 415 01	318, 816 02
7	Connecticut Mutual Life Insurance Company	47, 116, 244 37	11, 089, 472 47
8	Continental Life Insurance Company of Hartford	2, 404, 148 43	474, 873 05
9	Hartford Life and Annuity Insurance Company	978, 295 51	300, 337 84
10	Phœnix Mutual Life Insurance Company	10, 475, 354 80	1, 031, 088 22
11	Travelers' Insurance Company	5, 065, 957 24	941, 556 38
12	National Life Insurance Company of the U. S. of America	3, 809, 475 79	*a* 925, 887 46
13	Cotton States Life Insurance Company	410. 726 87	21, 691 12
14	Franklin Life Insurance Company	372, 481 64	108, 194 25
15	Equitable Life Insurance Company of Iowa	440, 268 91	22, 350 50
16	Southern Mutual Life Insurance Company of Kentucky	921, 030 04	71, 887 45
17	Missouri Valley Life Insurance Company	304, 028 84	113, 321 15
18	Louisiana Equitable Life Insurance Company	133, 993 01	.....
19	Union Mutual Life Insurance Company	6, 578, 170 72	2, 268, 828 52
20	Maryland Life Insurance Company of Baltimore	990, 142 65	87, 003 06
21	Mutual Life Insurance Company of Baltimore	77, 993 15	3, 050 33
22	Berkshire Life Insurance Company	3, 369, 407 55	434, 179 24
23	John Hancock Mutual Life Insurance Company	2, 544, 446 11	249, 169 26
24	Massachusetts Mutual Life Insurance Company	6, 117, 727 43	1, 113, 428 36
25	New England Mutual Life Insurance Company	13, 964, 397 97	1, 295, 900 00
26	State Mutual Life Assurance Company	2, 428, 272 06	50, 000 00
27	The Michigan Mutual Life Insurance Company	862, 511 43	82, 299 58
28	Covenant Mutual Life Insurance Company of St. Louis	477, 028 17	96, 808 26
29	German Mutual Life Insurance Company of Saint Louis	369, 760 65	56, 378 95
30	Mutual Benefit Life Insurance Company	32, 784, 307 70	2, 294, 135 25
31	Prudential Insurance Company of America	136. 670 46	.....
32	Brooklyn Life Insurance Company	1, 692, 453 11	151, 731 68
33	Equitable Life Assurance Society of the United States	35, 980, 997 62	8, 204, 796 02
34	Germania Life Insurance Company	8, 428, 353 69	1, 184, 117 34
35	Home Life Insurance Company	4, 728, 298 20	282, 407 62
36	Homœopathic Mutual Life Insurance Company	606, 424 33	47, 330 00
37	Knickerbocker Life Insurance Company	5, 144, 017 86	2, 013, 034 12
38	Manhattan Life Insurance Company	9, 706, 101 68	1, 250, 418 69
39	Metropolitan Life Insurance Company	1, 786, 109 00	331, 770 50
40	Mutual Life Insurance Company of New York	85, 765, 515 68	7, 811, 805 18
41	New York Life Insurance Company	37, 287, 828 32	4, 974, 573 68
42	Provident Savings Life Assurance Society	151, 251 83	.....
43	U. S. Life Insurance Company in the city of New York	4, 714, 223 63	167, 138 04
44	Washington Life Insurance Company	5, 328, 224 72	456, 786 11
45	Universal Life Insurance Company	2, 617, 141 78	1, 391, 772 74
46	Western New York Life Insurance Company	157, 662 30	8, 728 59
47	North Carolina State Life Insurance Company	253, 037 74	.....
48	Toledo Mutual Life Insurance Company	112, 560 11	.....
49	Union Central Life Insurance Company	1, 441, 949 06	147, 456 92
50	American Life Insurance Company	3, 521, 603 55	774, 849 14
51	Girard Life Ins., An., and Trust Co. of Philadelphia	2, 853, 942 79	1, 230, 659 08
52	Penn Mutual Life Insurance Company of Philadelphia	6, 642, 462 24	554, 990 06
53	Presbyterian Annuity and Life Insurance Company	173, 583 68	6, 362 83
54	Provident Life and Trust Company of Philadelphia	4, 563, 556 99	502, 051 07
55	National Life Insurance Company	2, 157, 419 68	234, 422 83
56	Vermont Life Insurance Company	205, 669 75	13, 550 00
57	Life Insurance Company of Virginia	427, 702 53	12, 030 79
58	Piedmont and Arlington Life Insurance Company	1, 462, 939 46	169, 858 75
59	Northwestern Mutual Life Insurance Company	17, 354, 873 21	*b* 1, 742, 018 44

a Not the cost value, but the value "as per the company's books".
b After making deduction of $67,752 87 for depreciation charged to profit and loss in 1879.

life insurance companies during the year ending December 31, 1879—ASSETS.

Loans on real estate security.	Loans on bonds, stocks, etc.	Loans on company's own policies.	Premium notes or liens.	Cost value of bonds and stocks owned.	
Dollars. 184,753,300 09	*Dollars.* 14,107,157 89	*Dollars.* 563,067 52	*Dollars.* 30,527,151 43	*Dollars.* 115,285,674 56	
132,182 78	23,643 62	11,503 96	43,933 35	53,063 16	1
28,213 54	45,234 60	.....	27,098 19	274,645 70	2
589,986 40	34,276 60	12,872 59	68,316 27	6,120 00	3
9,779,581 56	468,866 91	.....	2,970,882 26	8,044,910 62	4
2,007,144 59	42,169 93	76,679 70	1,842,770 20	164,837 50	5
522,146 34	5,790 00	.....	117,845 46	326,775 57	6
22,217,403 37	27,953 28	.....	4,109,717 91	8,184,676 14	7
619,543 89	136,485 36	750 00	693,663 16	133,534 72	8
561,925 00	10,054 88	20,421 00	.....	51,220 75	9
5,979,658 95	36,835 61	.....	2,150,440 48	704,703 00	10
2,015,522 91	1,500 00	1,700 00	.....	1,724,379 64	11
1,862,466 80	339,246 00	3,296 40	32,620 95	450,677 62	12
4,470 87	33,500 00	.....	128,020 40	179,871 25	13
34,255 39	4,240 62	1,050 00	126,632 39	.....	14
275,880 44	.....	28,565 94	.....	67,415 00	15
523,417 99	400 00	1,600 00	211,408 24	87,500 00	16
99,508 91	2,935 21	8,543 88	.....	32,516 00	17
.....	.....	.....	76,386 00	.....	18
2,361,228 32	.....	1,119 89	1,148,488 29	605,264 86	19
92,793 69	950 00	8,201 30	47,747 38	718,336 76	20
10,400 00	8,000 00	6,669 47	9,838 68	7,437 50	21
1,714,836 82	115,110 00	.....	192,603 86	831,372 25	22
1,305,927 67	36,050 00	7,660 00	222,250 30	689,700 00	23
2,821,174 30	281,200 00	59,030 00	704,241 92	1,036,160 46	24
2,149,869 68	108,200 00	5,500 00	1,583,688 80	8,682,428 08	25
152,200 00	50,000 00	.....	17,066 87	2,022,800 45	26
602,143 61	10,750 00	32,275 67	1,454 93	57,018 79	27
192,112 81	.....	14,350 00	115,975 42	43,063 55	28
280,670 00	.....	1,100 00	.....	22,899 30	29
8,706,233 84	.....	.....	4,398,843 89	16,573,527 83	30
47,000 00	.....	.....	.....	80,837 50	31
687,990 00	72,000 00	45,387 05	185,131 52	510,921 88	32
10,475,062 90	3,673,700 00	.....	.....	12,185,018 42	33
4,372,154 06	350,000 00	.....	.....	2,434,123 17	34
1,148,700 00	572,200 00	.....	814,338 43	1,853,888 72	35
243,850 83	9,770 00	19,209 39	.....	268,745 32	36
1,149,675 71	1,000 00	.....	1,750,998 64	186,375 31	37
3,836,094 26	1,696,465 14	.....	1,588,497 88	1,296,814 97	38
614,400 00	2,950 00	.....	293,095 31	507,000 00	39
54,895,134 77	2,100,000 00	.....	.....	18,526,880 38	40
15,313,278 95	850,000 00	.....	621,403 02	13,544,671 96	41
7,000 00	.....	300 31	1,116 55	124,718 75	42
1,923,874 54	460,000 00	.....	101,908 97	1,976,559 14	43
2,548,772 02	.....	27,583 37	.....	2,039,266 30	44
709,590 55	47,500 00	1,082 35	175,135 59	95,164 50	45
115,498 95	.....	583 15	29,677 61	.....	46
194,741 88	.....	.....	.....	10,936 25	47
106,035 00	.....	2,360 08	.....	.....	48
1,027,454 43	6,024 19	3,700 00	147,260 10	42,634 00	49
1,596,225 67	314,080 95	4,500 00	346,756 40	411,915 72	50
847,162 86	465,115 70	34,301 56	.....	205,350 00	51
2,442,594 53	159,126 36	106,853 00	670,158 51	2,413,901 70	52
49,183 36	200 00	.....	.....	113,099 02	53
1,231,316 47	1,104,502 93	.....	73,798 96	1,615,773 13	54
623,636 96	129,000 00	13,942 46	22,958 00	1,028,500 00	55
110,112 61	22,400 00	375 00	5,914 50	36,451 50	56
94,056 45	247,730 00	.....	.....	5,950 00	57
268,817 23	.....	.....	502,854 63	111,879 27	58
10,430,984 63	.....	.....	2,154,211 21	1,881,441 15	59

TABLE CXIV.—LIFE INSURANCE—*Exhibit of the financial condition of life*

	Name.	Cash on hand and in bank.	Bills receivable.
	Total	*Dollars.* 14,792,121 73	*Dollars.* 841,777 68
1	Alabama Gold Life Insurance Company	9,959 45	47,983 52
2	Mobile Life Insurance Company	5,858 99	*a* 150,000 00
3	Pacific Mutual Life Insurance Company	64,665 40	18,162 08
4	Ætna Life Insurance Company	2,535,927 07	45,284 38
5	Charter Oak Life Insurance Company	38,100 70	11,233 72
6	Connecticut General Life Insurance Company	55,639 63	1,761 32
7	Connecticut Mutual Life Insurance Company	1,418,332 03	15,806 46
8	Continental Life Insurance Company of Hartford	95,356 09	198,120 48
9	Hartford Life and Annuity Insurance Company	6,269 86	3,758 81
10	Phœnix Mutual Life Insurance Company	520,590 81	36,537 17
11	Travelers' Insurance Company	353,855 01	19,888 35
12	National Life Insurance Co. of the U. S. of America	119,643 80	7,186 99
13	Cotton States Life Insurance Company	23,410 24	11,692 59
14	Franklin Life Insurance Company	67,694 28	26,435 76
15	Equitable Life Insurance Company of Iowa	19,045 35	.....
16	Southern Mutual Life Insurance Company of Kentucky	4,085 49	.....
17	Missouri Valley Life Insurance Company	3,567 85	22,970 95
18	Louisiana Equitable Life Insurance Company	5,494 51	15,781 70
19	Union Mutual Life Insurance Company	161,978 33	7,340 00
20	Maryland Life Insurance Company of Baltimore	28,479 22	.....
21	Mutual Life Insurance Company of Baltimore	22,715 91	6,651 16
22	Berkshire Life Insurance Company	50,825 47	.....
23	John Hancock Mutual Life Insurance Company	23,025 20	1,927 98
24	Massachusetts Mutual Life Insurance Company	100,147 80	2,344 59
25	New England Mutual Life Insurance Company	138,811 41	.....
26	State Mutual Life Assurance Company	135,804 74	400 00
27	The Michigan Mutual Life Insurance Company	57,747 21	12,425 28
28	Covenant Mutual Life Insurance Co. of Saint Louis	13,898 32	440 13
29	German Mutual Life Insurance Co. of Saint Louis	8,712 40	.....
30	Mutual Benefit Life Insurance Company	782,702 08	.....
31	Prudential Insurance Company of America	8,832 96	.....
32	Brooklyn Life Insurance Company	24,126 72	.....
33	Equitable Life Assurance Society of the United States	1,215,194 58	.....
34	Germania Life Insurance Company	87,959 12	.....
35	Home Life Insurance Company	45,134 04	.....
36	Homœopathic Mutual Life Insurance Company	17,164 64	165 03
37	Knickerbocker Life Insurance Company	42,934 08	.....
38	Manhattan Life Insurance Company	37,810 74	.....
39	Metropolitan Life Insurance Company	25,332 86	.....
40	Mutual Life Insurance Company of New York	2,363,337 28	.....
41	New York Life Insurance Company	1,961,701 48	.....
42	Provident Savings Life Assurance Society	14,138 65	.....
43	U. S. Life Insurance Company in the city of New York	54,854 78	16,246 26
44	Washington Life Insurance Company	242,430 55	.....
45	Universal Life Insurance Company	3,977 41	16,397 48
46	Western New York Life Insurance Company	2,009 06	.....
47	North Carolina State Life Insurance Company	26,014 74	10,847 72
48	Toledo Mutual Life Insurance Company	2,246 79	408 25
49	Union Central Life Insurance Company	48,149 83	1,415 27
50	American Life Insurance Company	70,578 94	.....
51	Girard Life Insurance, Annuity, and Trust Co. of Phila.	71,353 59	.....
52	Penn Mutual Life Insurance Company of Philadelphia	275,067 39	2,000 00
53	Presbyterian Annuity and Life Insurance Company	4,738 47	.....
54	Provident Life and Trust Company of Philadelphia	36,114 43	.....
55	National Life Insurance Company	76,885 46	.....
56	Vermont Life Insurance Company	16,723 61	142 53
57	Life Insurance Company of Virginia	32,007 83	27,955 09
58	Piedmont and Arlington Life Insurance Company	22,134 29	95,815 02
59	Northwestern Mutual Life Insurance Company	1,096,822 76	6,251 61

a "Stock bonds".
b Due by other companies for reinsuring their risks, $60,931 11.
c Of which amount guaranty notes constitute $225,000.
d Of which claims against the receivers of other companies under their policies constitute $53,453 05 and commuted commissions $11,540.

insurance companies during the year ending December 31, 1879—ASSETS—Continued.

Due from agents, and miscellaneous.	Total ledger assets, by inventory.	Depreciation of assets from cost value to market value.	Total ledger assets, less depreciation.	Accrued interest on bonds, mortgages, etc.	
Dollars. 1,893,173 37	*Dollars.* 426,584,115 87	*Dollars.* 3,483,266 99	*Dollars.* 423,100,848 88	*Dollars.* 7,262,811 94	
71,919 40	490,963 87	.....	490,963 87	47,810 64	1
b 84,426 47	642,904 83	.....	642,904 83	.....	2
c 278,494 76	1,160,806 49	.....	1,160,806 49	34,789 94	3
8,973 34	24,499,327 91	.....	24,499,327 91	507,483 23	4
10,656 85	10,041,951 72	2,180,491 76	7,861,459 96	165,451 41	5
640 67	1,349,415 01	39,736 02	1,309,678 99	18,324 64	6
52,882 71	47,116,244 37	.....	47,116,244 37	1,205,856 20	7
51,821 68	2,404,148 43	.....	2,404,148 43	96,391 64	8
24,307 37	978,295 51	5,570 75	972,724 76	27,822 92	9
15,500 56	10,475,354 80	.....	10,475,354 80	153,691 24	10
7,554 95	5,065,957 24	216,981 65	4,848,975 59	51,015 37	11
d 68,449 77	3,809,475 79	.....	3,809,475 79	64,191 84	12
8,070 40	410,726 87	.....	410,726 87	13,615 12	13
3,978 95	372,481 64	26,969 60	345,512 04	.....	14
27,011 68	440,268 91	.....	440,268 91	12,810 79	15
e 20,730 87	921,030 04	.....	921,030 04	36,132 31	16
20,664 89	304,028 84	24,663 88	279,364 96	22,501 82	17
36,330 80	133,993 01	.....	133,993 01	.....	18
23,922 51	6,578,170 72	.....	6,578,170 72	163,404 91	19
6,631 24	990,142 65	8,478 06	981,664 59	3,310 76	20
3,230 10	77,993 15	400 00	77,593 15	744 15	21
30,479 91	3,369,407 55	17,860 16	3,351,547 39	46,915 48	22
8,735 70	2,544,446 11	11,569,26	2,532,876 85	38,679 48	23
.....	6,117,727 43	14,824 42	6,102,903 01	199,834 66	24
.....	13,964,397 97	.....	13,964,397 97	145,140 06	25
.....	2,428,272 06	.....	2,428,272 06	.....	26
6,396 36	862,511 43	.....	862,511 43	34,287 82	27
379 68	477,028 17	.....	477,028 17	7,221 55	28
.....	369,760 65	.....	369,760 65	6,992 25	29
28,864 81	32,784,307 70	.....	32,784,307 70	693,994 26	30
.....	136,670 46	3,093 75	133,576 71	851 01	31
15,164 26	1,692,453 11	345 63	1,692,107 48	9,048 93	32
227,225 70	35,980,997 62	.....	35,980,997 62	284,434 86	33
.....	8,428,353 69	147,056 51	8,281,297 18	64,250 46	34
11,629 39	4,728,298 20	.....	4,728,298 20	17,807 27	35
189 12	606,424 33	.....	606,424 33	5,177 53	36
.....	5,144,017 86	.....	5,144,017 86	273,695 86	37
.....	9,706,101 68	.....	9,706,101 68	167,053 77	38
11,560 33	1,786,109 00	.....	1,786,109 00	9,686 31	39
68,358 07	85,765,515 68	.....	85,765,515 68	1,397,061 07	40
22,199 23	37,287,828 32	.....	37,287,828 32	294,384 95	41
3,977 57	151,251 83	20,218 75	131,033 08	65 00	42
13,641 90	4,714,223 63	12,788 04	4,701,435 59	.....	43
13,386 37	5,328,224 72	.....	5,328,224 72	41,375 35	44
f 176,521 16	2,617,141 78	622,025 03	1,995,116 75	46,402 00	45
1,164 94	157,662 30	.....	157,662 30	2,673 79	46
10,497 15	253,037 74	.....	253,037 74	3,138 63	47
1,509 99	112,560 11	.....	112,560 11	12,994 80	48
17,854 32	1,441,949 06	3,811 92	1,438,137 14	69,023 37	49
2,696 73	3,521,603 55	.....	3,521,603 55	25,457 69	50
.....	2,853,942 79	.....	2,853,942 79	16,943 25	51
17,770 69	6,642,462 24	.....	6,642,462 24	103,112 34	52
.....	173,583 68	.....	173,583 68	2,609 92	53
.....	4,563,556 99	4,086 00	4,559,470 99	29,381 62	54
34,073 97	2,157,419 68	.....	2,157,419 68	58,158 06	55
.....	205,669 75	.....	205,669 75	1,638 24	56
7,972 37	427,702 53	.....	427,702 53	6,297 63	57
g 291,580 27	1,462,939 46	.....	1,462,939 46	23,226 84	58
43,143 41	17,354,873 21	122,295 80	17,232,577 41	498,446 90	59

e Of which $16,200 is the company's own stock.

f Consists in part of cash at interest with state treasurer of Virginia, $10,000; due from North America Life Insurance Company, $89,567 21; due from Guardian Mutual Life Insurance Company, $62,875 67.

g Consisting of agents' balances, $123,622 52; property account, $10,665 12; commuted commissions, $91,285 47; special loans, $23,615 86.

TABLE CXIV.—LIFE INSURANCE—*Exhibit of the financial condition of life*

	Name.	Accrued interest on premium notes and liens.	Accrued rents.
	Total	*Dollars.* 1,232,170 68	*Dollars.* 211,084 16
1	Alabama Gold Life Insurance Company		3,356 00
2	Mobile Life Insurance Company	3,194 18	323 70
3	Pacific Mutual Life Insurance Company	4,139 13	
4	Ætna Life Insurance Company	104,649 96	
5	Charter Oak Life Insurance Company	130,904 81	54,258 34
6	Connecticut General Life Insurance Company	4,528 24	
7	Connecticut Mutual Life Insurance Company	247,632 32	16,779 05
8	Continental Life Insurance Company of Hartford	134,814 66	
9	Hartford Life and Annuity Insurance Company	678 24	
10	Phœnix Mutual Life Insurance Company		
11	Travelers' Insurance Company		
12	National Life Insurance Co. of the U. S. of America	341 73	9,765 42
13	Cotton States Life Insurance Company	30,000 00	
14	Franklin Life Insurance Company		6,044 26
15	Equitable Life Insurance Company of Iowa		
16	Southern Mutual Life Insurance Company of Kentucky	24,259 40	177 00
17	Missouri Valley Life Insurance Company	2,752 35	3,855 00
18	Louisiana Equitable Life Insurance Company		
19	Union Mutual Life Insurance Company	36,304 28	4,995 89
20	Maryland Life Insurance Company of Baltimore	235 82	370 83
21	Mutual Life Insurance Company of Baltimore	757 54	12 00
22	Berkshire Life Insurance Company	7,838 91	
23	John Hancock Mutual Life Insurance Company	9,082 60	947 07
24	Massachusetts Mutual Life Insurance Company	23,405 33	4,765 86
25	New England Mutual Life Insurance Company	44,490 00	11,438 85
26	State Mutual Life Assurance Company	12,000 00	
27	The Michigan Mutual Life Insurance Company		
28	Covenant Mutual Life Insurance Co. of Saint Louis	1,191 34	531 00
29	German Mutual Life Insurance Company of Saint Louis		
30	Mutual Benefit Life Insurance Company	110,000 00	
31	Prudential Insurance Company of America	2,050 00	
32	Brooklyn Life Insurance Company	6,757 78	
33	Equitable Life Assurance Society of the United States		59,908 10
34	Germania Life Insurance Company		
35	Home Life Insurance Company		
36	Homœopathic Mutual Life Insurance Company	458 59	25 00
37	Knickerbocker Life Insurance Company	28,195 69	4,504 12
38	Manhattan Life Insurance Company	7,713 67	1,560 99
39	Metropolitan Life Insurance Company		5,333 09
40	Mutual Life Insurance Company of New York		
41	New York Life Insurance Company	17,348 16	6,256 00
42	Provident Savings Life Assurance Society		
43	United States Life Insurance Co. in the city of New York	71,266 72	
44	Washington Life Insurance Company		
45	Universal Life Insurance Company	924 54	7,939 54
46	Western New York Life Insurance Company	489 71	
47	North Carolina State Life Insurance Company		
48	Toledo Mutual Life Insurance Company	325 16	
49	Union Central Life Insurance Company	784 33	130 00
50	American Life Insurance Company	19,100 27	541 92
51	Girard Life Insurance, Annuity, and Trust Co. of Phila	2,058 09	
52	Penn Mutual Life Insurance Company of Philadelphia		5,360 55
53	Presbyterian Annuity and Life Insurance Company		100 00
54	Provident Life and Trust Company of Philadelphia		
55	National Life Insurance Company	2,023 53	
56	Vermont Life Insurance Company	501 36	81 25
57	Life Insurance Company of Virginia		
58	Piedmont and Arlington Life Insurance Company	51,494 51	1,340 00
59	Northwestern Mutual Life Insurance Company	87,477 73	383 33

a Commuted commissions' account constitutes $23,437 29 of this amount.

b Being the amount by which an appraisement of the state auditor of Illinois exceeds the amount stated under "cost value," etc.

insurance companies during the year ending December 31, 1879—ASSETS—Continued.

Market value of real estate over cost.	Market value of bonds and stocks over cost.	Deducted by company on account of loading.	Uncollected and deferred premiums, less deduction on account of loading.	Miscellaneous.	Total assets.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
386,038 31	5,447,084 71	1,059,447 57	4,466,278 61	166,153 90	442,272,471 19	
.....	17,026 84	521 88	9,915 80	*a* 31,955 81	601,028 96	1
600 00	30,625 00	.....	7,751 42	.....	685,399 13	2
.....	.....	11,079 64	44,318 56	3,000 00	1,247,054 12	3
.....	305,575 68	43,831 72	175,326 91	.....	25,592,363 69	4
.....	.....	.....	31,657 90	.....	8,243,732 42	5
.....	2,435 68	4,234 69	16,938 81	.....	1,351,906 36	6
.....	165,982 86	13,279 90	39,839 68	.....	48,792,334 48	7
126,030 88	6,951 25	7,246 60	28,986 42	.....	2,797,323 28	8
.....	.....	4,127 77	16,511 07	.....	1,017,736 99	9
.....	30,440 00	9,932 35	39,729 29	.....	10,699,215 33	10
.....	.....	18,964 26	75,857 06	.....	4,975,848 02	11
b 75,866 54	5,180 50	5,511 82	49,606 43	.....	4,014,428 25	12
.....	.....	.....	3,706 29	1,452 23	459,500 51	13
.....	.....	.....	3,926 80	.....	355,483 10	14
.....	.....	799 53	6,340 34	.....	459,420 04	15
.....	22,000 00	1,831 63	5,494 88	.....	1,009,093 63	16
.....	.....	549 88	2,199 52	.....	310,673 65	17
.....	17,002 75	.....	.....	36,943 18	170,936 19	18
.....	.....	11,324 72	101,922 46	.....	6,901,801 01	19
.....	59,693 74	2,934 08	11,736 33	500 00	1,057,512 07	20
.....	998 00	2,608 82	10,435 28	1,223 28	91,763 40	21
.....	10,070 00	4,669 86	42,028 77	.....	3,458,400 55	22
.....	54,653 50	9,136 40	36,545 61	.....	2,672,785 11	23
87,181 64	99,936 29	21,991 50	115,455 37	*c* 6,245 23	6,639,727 39	24
.....	795,683 42	18,899 00	170,090 35	.....	15,131,240 65	25
.....	93,484 55	.....	.....	.....	2,533,756 61	26
.....	7,511 21	9,879 79	39,519 18	*d* 36,567 80	980,397 44	27
19,600 84	1,256 45	1,700 26	6,801 05	2,116 87	515,747 27	28
1,400 50	2,060 70	.....	2,085 50	162 00	382,461 60	29
.....	1,507,365 54	43,191 83	172,767 34	.....	35,268,434 84	30
.....	.....	43,609 24	65,413 88	3,820 04	205,711 64	31
9,706 65	.....	7,264 37	29,057 49	.....	1,746,678 33	32
.....	348,006 17	138,699 00	554,796 00	.....	37,228,142 75	33
.....	31,971 28	51,832 37	207,329 47	.....	8,552,877 11	34
.....	.....	15,652 36	62,609 48	.....	4,840,686 23	35
.....	2,862 68	3,449 99	13,799 96	.....	628,748 09	36
5,535 88	2,941 69	4,002 15	16,008 60	.....	5,474,899 70	37
.....	39,855 22	31,680 61	126,722 46	148 73	10,049,156 52	38
32,979 50	59,060 00	40,757 55	140,874 88	.....	2,034,042 78	39
.....	390,737 74	181,936 06	727,744 26	.....	88,281,058 75	40
.....	811,520 98	115,922 85	463,691 40	.....	38,881,029 81	41
.....	.....	6,347 05	18,320 16	.....	149,418 24	42
.....	97,773 36	12,527 90	112,751 14	.....	4,983,226 81	43
.....	125,908 70	27,441 64	109,766 59	.....	5,605,275 36	44
.....	4,715 50	1,700 12	6,800 50	12,693 82	2,074,592 65	45
.....	.....	1,244 00	4,976 01	.....	165,801 81	46
.....	.....	.....	3,445 71	.....	259,622 08	47
.....	.....	356 29	1,425 19	*e* 7,334 15	134,639 41	48
.....	86 00	634 97	11,123 73	.....	1,519,284 57	49
.....	33,401 28	4,689 20	18,756 81	.....	3,618,861 52	50
.....	.....	.....	.....	.....	2,872,944 13	51
.....	191,273 80	15,725 27	89,109 91	.....	7,031,318 84	52
1,137 17	4,743 98	755 52	3,022 07	.....	185,196 82	53
.....	32,826 87	37,884 98	151,539 91	.....	4,773,219 39	54
.....	32,135 00	4,801 04	19,204 17	.....	2,268,940 44	55
450 00	1,330 50	1,199 46	5,882 65	1,500 00	217,053 75	56
.....	.....	.....	7,982 46	5,000 00	446,982 62	57
25,548 71	.....	.....	43,372 32	15,490 76	1,623,412 60	58
.....	.....	61,085 65	183,256 98	.....	18,002,142 35	59

c Of which $3,245 23 is cash in hand of agents secured.
d Commuted commissions constitute $33,604 63 of this amount.
e Of which $3,934 14 is commuted commissions.

TABLE CXV.—LIFE INSURANCE—*Exhibit of the financial condition of life*

	Name.	American 4½ per cent. reserve, December 31, 1879.	Reserve for reinsurances.	Reserve after deduction of preceding.
	Total	*Dollars.* 355, 517, 437 40	*Dollars.* 527, 411 01	*Dollars.* 354, 990, 026 39
1	Alabama Gold Life Insurance Company	363, 618 00	6, 475 00	357, 143 00
2	Mobile Life Insurance Company	433, 820 00	6, 000 00	427, 820 00
3	Pacific Mutual Life Insurance Company	856, 898 00	14, 350 00	842, 548 00
4	Ætna Life Insurance Company	20, 068, 965 00	83, 083 00	19, 985, 882 00
5	Charter Oak Life Insurance Company	7, 029, 441 00	.....	7, 029, 441 00
6	Connecticut General Life Insurance Company	936, 400 00	5, 679 00	930, 721 00
7	Connecticut Mutual Life Insurance Company	40, 956, 953 00	.....	40, 956, 953 00
8	Continental Life Insurance Co. of Hartford	2, 329, 654 00	1, 445 00	2, 328, 209 00
9	Hartford Life and Annuity Insurance Company	605, 152 00	4, 331 00	600, 821 00
10	Phœnix Mutual Life Insurance Company	9, 245, 724 00	5, 273 00	9, 240, 451 00
11	Travelers' Insurance Company	2, 893, 153 00	21, 479 00	2, 871, 674 00
12	National Life Ins. Co. of the U. S. of America	3, 074, 231 00	56, 254 00	3, 017, 977 00
13	Cotton States Life Insurance Company	352, 469 74	.....	352, 469 74
14	Franklin Life Insurance Company	314, 668 00	.....	314, 668 00
15	Equitable Life Insurance Company of Iowa	*a* 269, 518 30	.....	269, 518 30
16	Southern Mutual Life Insurance Co. of Ky	819, 755 00	2, 016 00	817, 739 00
17	Missouri Valley Life Insurance Company	240, 202 00	.....	240, 202 00
18	Louisiana Equitable Life Insurance Company	*b* 144, 183 76	.....	144, 183 76
19	Union Mutual Life Insurance Company	5, 969, 865 00	2, 330 00	5, 967, 535 00
20	Maryland Life Insurance Co. of Baltimore	775, 750 37	.....	775, 750 37
21	Mutual Life Insurance Company of Baltimore	67, 634 21	627 01	67, 007 20
22	Berkshire Life Insurance Company	2, 898, 359 00	.....	2, 898, 359 00
23	John Hancock Mutual Life Insurance Co	2, 254, 994 00	852 00	2, 254, 142 00
24	Massachusetts Mutual Life Insurance Co	5, 409, 501 00	25, 123 00	5, 384, 378 00
25	New England Mutual Life Insurance Company	12, 023, 213 18	.....	12, 023, 213 18
26	State Mutual Life Assurance Company	1, 935, 991 00	.....	1, 935, 991 00
27	The Michigan Mutual Life Insurance Company	652, 094 00	146 00	651, 948 00
28	Covenant Mutual Life Ins. Co. of St. Louis	478, 535 00	.....	478, 535 00
29	German Mutual Life Insurance Co. of St. Louis	303, 623 00	.....	303, 623 00
30	Mutual Benefit Life Insurance Company	28, 411, 784 00	.....	28, 411, 784 00
31	Prudential Insurance Company of America	92, 353 71	.....	92, 353 71
32	Brooklyn Life Insurance Company	1, 391, 480 00	710 00	1, 390, 770 00
33	Equitable Life Assurance Society of the U. S.	29, 296, 571 00	.....	29, 296, 571 00
34	Germania Life Insurance Company	7, 254, 814 44	.....	7, 254, 814 44
35	Home Life Insurance Company	3, 470, 051 00	.....	3, 470, 051 00
36	Homœopathic Mutual Life Insurance Company	516, 088 00	8, 428 00	507, 660 00
37	Knickerbocker Life Insurance Company	4, 751, 537 00	.....	4, 751, 537 00
38	Manhattan Life Insurance Company	7, 821, 248 00	.....	7, 821, 248 00
39	Metropolitan Life Insurance Company	1, 505, 309 00	.....	1, 505, 309 00
40	Mutual Life Insurance Company of New York	76, 232, 224 00	.....	76, 232, 224 00
41	New York Life Insurance Company	30, 890, 340 00	208, 315 00	30, 682, 025 00
42	Provident Savings Life Assurance Society	38, 268 00	1, 641 00	36, 627 00
43	U. S. Life Insurance Co. in the city of New York	4, 014, 837 00	.....	4, 014, 837 00
44	Washington Life Insurance Company	4, 562, 431 00	.....	4, 562, 431 00
45	Universal Life Insurance Company	*c* 1, 210, 116 00	544 00	1, 209, 572 00
46	Western New York Life Insurance Company	95, 765 00	502 00	95, 263 00
47	North Carolina State Life Insurance Company	*d* 90, 500 13	.....	90, 500 13
48	Toledo Mutual Life Insurance Company	22, 908 00	.....	22, 908 00
49	Union Central Life Insurance Company	1, 179, 734 00	.....	1, 179, 734 00
50	American Life Insurance Company	2, 699, 408 00	.....	2, 699, 408 00
51	Girard Life Ins., An., and Trust Co. of Phila	636, 888 00	.....	636, 888 00
52	Penn Mutual Life Insurance Co. of Phila	5, 400, 563 00	71, 746 00	5, 328, 817 00
53	Presbyterian Annuity and Life Insurance Co	124, 407 00	62 00	124, 345 00
54	Provident Life and Trust Co. of Philadelphia	3, 625, 527 00	.....	3, 625, 527 00
55	National Life Insurance Company	1, 322, 232 78	.....	1, 322, 232 78
56	Vermont Life Insurance Company	*a* 109, 598 00	.....	109, 598 00
57	Life Insurance Company of Virginia	158, 057 26	.....	158, 057 26
58	Piedmont and Arlington Life Insurance Co	*b* 1, 227, 563 52	.....	1, 227, 563 52
59	Northwestern Mutual Life Insurance Co	13, 660, 468 00	.....	13, 660, 468 00

a Actuaries, 4 per cent.
b With interest at 6 per cent.
c Estimated.
d Partly with interest at 6 per cent.

insurance companies during the year ending December 31, 1879—LIABILITIES.

Premium obligations in excess of net reserves.	Unpaid claims for death losses due.	Unpaid claims for matured endowments.	Claims for death losses not due or in process of adjustment.	Policy claims resisted.	Total policy claims.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
33,927 05	734,211 42	339,769 82	4,501,570 29	1,200,223 06	6,809,701 64	
			19,241 80	36,100 00	55,341 80	1
	10,000 00		3,000 00	7,500 00	20,500 00	2
		6,700 00	10,766 00	5,000 00	22,466 00	3
	74,033 00	15,424 74	242,050 00	27,000 00	358,507 74	4
		143,668 21	61,583 05	62,299 59	267,550 85	5
			20,450 00		20,450 00	6
		41,587 00	482,889 00	192,847 00	717,323 00	7
			41,121 00		41,121 00	8
383 76	3,000 00		6,626 00		10,009 76	9
	38,272 79	500 00	152,577 00	40,226 29	231,576 08	10
	790 00		158,616 00	29,000 00	188,406 00	11
		2,200 00	59,308 65	18,000 00	79,508 65	12
			16,338 00		16,338 00	13
			14,217 00		14,217 00	14
			2,000 00		2,000 00	15
		220 00	10,144 70	600 00	10,964 70	16
	1,589 75				1,589 75	17
						18
875 00	4,100 00	8,050 00	122,159 80	96,634 18	231,818 98	19
			14,183 02		14,183 02	20
			3,525 13	1,818 00	5,343 13	21
			22,850 00	20,000 00	42,850 00	22
44 92		636 84	37,425 00		38,106 76	23
	4,245 00		88,871 00	44,369 00	137,485 00	24
	96,755 00	51,028 00			147,783 00	25
			12,000 00	10,000 00	22,000 00	26
			6,475 74	5,383 00	11,858 74	27
153 62			902 00		1,055 62	28
						29
			617,301 00	30,000 00	647,301 00	30
						31
138 92			82,484 00		82,622 92	32
	58,770 00	3,831 00	313,730 00		376,331 00	33
	18,055 55		75,531 56	22,595 14	116,182 25	34
		1,000 00	7,322 00	12,000 00	20,322 00	35
			4,000 00	5,840 77	9,840 77	36
1,250 00	40,033 00	9,750 00	84,080 00	131,500 00	266,613 00	37
	363 89		307,876 00	51,500 00	359,739 89	38
23,472 00			50,389 00	10,750 00	84,611 00	39
	98,214 00		521,681 00	100,984 00	720,879 00	40
		32,780 98	364,423 95	74,500 00	471,714 93	41
			3,000 00		3,000 00	42
	83,695 00				83,695 00	43
	21,313 44	2,461 90	40,306 01	21,166 09	85,247 44	44
1,243 00	50,147 00	19,412 91	20,747 50	28,570 00	120,120 41	45
5,963 84			1,537 00	5,500 00	13,000 84	46
	2,000 00				2,000 00	47
						48
	6,459 00		10,389 00	10,800 00	27,648 00	49
	4,000 00		28,766 48	7,000 00	39,766 48	50
			19,000 00		19,000 00	51
401 99			96,493 00	25,640 00	122,534 99	52
		240 00		3,000 00	3,240 00	53
	5,125 00	278 24	54,550 00		59,953 24	54
	3,000 00		17,500 00	12,000 00	32,500 00	55
				2,000 00	2,000 00	56
			2,000 00		2,000 00	57
	110,250 00				110,250 00	58
			169,132 90	48,100 00	217,232 90	59

TABLE CXV.—LIFE INSURANCE—*Exhibit of the financial condition of life insurance*

	Name.	Unpaid dividends due policy holders.	Unpaid dividends due stockholders.	Unpaid taxes.
	Total	*Dollars.* 1,008,694 28	*Dollars.* 19,988 03	*Dollars.* 27,759 09
1	Alabama Gold Life Insurance Company	37 15		
2	Mobile Life Insurance Company			
3	Pacific Mutual Life Insurance Company			
4	Ætna Life Insurance Company	119,827 80		
5	Charter Oak Life Insurance Company			
6	Connecticut General Life Insurance Company			
7	Connecticut Mutual Life Insurance Company	119,343 44		
8	Continental Life Insurance Company of Hartford			
9	Hartford Life and Annuity Insurance Company	910 64		
10	Phœnix Mutual Life Insurance Company			
11	Travelers' Insurance Company			
12	National Life Insurance Co. of the U. S. of America			
13	Cotton States Life Insurance Company	2,334 37	899 73	
14	Franklin Life Insurance Company	1,209 32		
15	Equitable Life Insurance Company of Iowa			
16	Southern Mutual Life Insurance Co. of Kentucky			147 68
17	Missouri Valley Life Insurance Company			
18	Louisiana Equitable Life Insurance Company			
19	Union Mutual Life Insurance Company	5,127 08		
20	Maryland Life Insurance Company of Baltimore	2,190 54		
21	Mutual Life Insurance Company of Baltimore			
22	Berkshire Life Insurance Company	6,823 08		
23	John Hancock Mutual Life Insurance Company	17,453 90		
24	Massachusetts Mutual Life Insurance Company	13,566 93		
25	New England Mutual Life Insurance Company	187,176 56		
26	State Mutual Life Assurance Company	2,463 47		
27	The Michigan Mutual Life Insurance Company			
28	Covenant Mutual Life Insurance Co. of Saint Louis	821 69		
29	German Mutual Life Insurance Co. of Saint Louis	582 37		
30	Mutual Benefit Life Insurance Company	200,136 03		
31	Prudential Insurance Company of America			
32	Brooklyn Life Insurance Company	3,780 91		2,000 00
33	Equitable Life Assurance Society of the United States	72,249 00		
34	Germania Life Insurance Company	25,221 91		
35	Home Life Insurance Company	15,272 23		
36	Homœopathic Mutual Life Insurance Company			
37	Knickerbocker Life Insurance Company			25,000 00
38	Manhattan Life Insurance Company	69,496 03		
39	Metropolitan Life Insurance Company			
40	Mutual Life Insurance Company of New York			
41	New York Life Insurance Company			
42	Provident Savings Life Assurance Society			
43	U. S. Life Insurance Co. in the city of New York			
44	Washington Life Insurance Company		288 75	
45	Universal Life Insurance Company			
46	Western New York Life Insurance Company			611 41
47	North Carolina State Life Insurance Company			
48	Toledo Mutual Life Insurance Company		342 30	
49	Union Central Life Insurance Company	639 35		
50	American Life Insurance Company		376 00	
51	Girard Life Ins., An., and Trust Co. of Philadelphia		18,081 25	
52	Penn Mutual Life Insurance Co. of Philadelphia	21,765 30		
53	Presbyterian Annuity and Life Insurance Company			
54	Provident Life and Trust Company of Philadelphia	9,399 11		
55	National Life Insurance Company	103,231 16		
56	Vermont Life Insurance Company			
57	Life Insurance Company of Virginia			
58	Piedmont and Arlington Life Insurance Company	634 91		
59	Northwestern Mutual Life Insurance Company	7,000 00		

companies during the year ending December 31, 1879—LIABILITIES—Continued.

Unpaid salaries, rents, etc.	Borrowed money.	All other liabilities.	Liabilities as to policy holders.	Excess of assets over liabilities as to policy holders.	
Dollars. 18,571 86	*Dollars.* 472,184 99	*Dollars.* 2,322,050 53	*Dollars.* 365,668,976 81	*Dollars.* 76,603,494 38	
.....	.....	.....	412,521 95	188,507 01	1
325 00	75,000 00	.....	523,645 00	161,754 13	2
.....	.....	.....	865,014 00	382,040 12	3
.....	.....	*a* 84,255 36	20,548,472 90	5,043,890 79	4
.....	207,647 29	49,806 49	7,554,445 63	689,286 79	5
.....	.....	6,982 00	958,153 00	393,753 36	6
.....	.....	446,891 62	42,240,511 06	6,551,823 42	7
.....	.....	.....	2,369,330 00	427,993 28	8
.....	.....	.....	611,741 40	405,995 59	9
.....	.....	171,243 22	9,643,270 30	1,055,945 03	10
10,000 00	.....	.....	3,070,080 00	1,905,768 02	11
.....	.....	51,490 42	3,148,976 07	865,452 18	12
.....	3,637 29	.....	375,679 13	83,821 38	13
.....	.....	4,265 76	334,360 08	21,123 02	14
.....	.....	.....	271,518 30	187,901 74	15
1,388 54	.....	2,755 74	832,995 66	176,097 97	16
.....	.....	.....	241,791 75	68,881 90	17
.....	.....	.....	144,183 76	26,752 43	18
.....	.....	79,114 47	6,283,595 53	618,205 48	19
.....	.....	1,922 47	794,046 40	263,465 67	20
.....	.....	638 62	72,988 95	18,774 45	21
.....	.....	18,994 59	2,967,026 67	491,373 88	22
.....	.....	4,192 83	2,313,895 49	358,889 62	23
.....	.....	3,288 45	5,538,718 38	1,101,009 01	24
.....	.....	.....	12,358,172 74	2,773,067 91	25
.....	.....	.....	1,960,454 47	573,302 14	26
.....	.....	1,160 20	664,966 94	315,430 50	27
.....	.....	.....	480,412 31	35,334 96	28
.....	.....	.....	304,205 37	78,256 23	29
.....	.....	9,492 08	29,268,713 11	5,999,721 73	30
.....	.....	.....	92,353 71	113,357 93	31
.....	.....	14,611 90	1,493,785 73	252,892 60	32
.....	.....	*b* 106,283 00	29,851,434 00	7,376,708 75	33
2,950 00	.....	19,367 22	7,418,535 82	1,134,341 29	34
.....	.....	.....	3,505,645 23	1,335,041 00	35
.....	.....	17,455 18	534,955 95	93,792 14	36
.....	.....	2,851 60	5,046,001 60	428,898 10	37
.....	.....	11,000 00	8,261,483 92	1,787,672 60	38
.....	.....	66,465 61	1,656,385 61	377,657 17	39
.....	.....	103,592 64	77,056,695 64	11,224,363 11	40
.....	.....	16,543 25	31,170,283 18	7,710,746 63	41
2,000 00	.....	2,500 00	44,127 00	105,291 24	42
.....	.....	12,210 75	4,110,742 75	872,484 06	43
1,708 32	.....	12,900 03	4,662,575 54	942,699 82	44
.....	155,759 94	62,618 82	1,548,071 17	526,521 48	45
200 00	4,009 97	.....	113,085 22	52,716 59	46
.....	.....	.....	92,500 13	167,121 95	47
.....	.....	79 76	23,330 06	111,309 35	48
.....	.....	.....	1,208,021 35	311,263 22	49
.....	.....	132,045 07	2,871,595 55	747,265 97	50
.....	.....	682,556 85	1,356,526 10	1,516,418 03	51
.....	.....	44,054 08	5,517,171 37	1,514,147 47	52
.....	.....	.....	127,585 00	57,611 82	53
.....	.....	5,549 86	3,700,429 21	1,072,790 18	54
.....	.....	50,000 00	1,507,963 94	760,976 50	55
.....	.....	.....	111,598 00	105,455 75	56
.....	.....	.....	160,057 26	286,925 36	57
.....	26,130 50	.....	1,364,578 93	258,833 67	58
.....	.....	22,870 59	13,907,571 49	4,094,570 86	59

a Of which $75,000 is reserve for possible depreciation in value of real estate.
b Value of paid-up insurance which can be claimed on lapsed policies.

TABLE CXVI.—*Number of policies and amount of insurance written and terminated in 1879, and number of policies and amount of insurance in force December 31, 1879.*

Name.	Written.		Terminated.		In force December 31, 1879.	
	No.	Amount.	No.	Amount.		
		Dollars.		*Dollars.*	*No.*	*Dollars.*
Total	122, 868	187, 049, 113	104, 165	210, 336, 483	725, 560	1, 560, 756, 437
Alabama Gold Life Insurance Co	157	176, 853	366	874, 681	1, 924	3, 653, 398
Mobile Life Insurance Co	447	739, 654	626	625, 932	2, 721	5, 085, 821
Pacific Mutual Life Insurance Co	858	2, 677, 828	910	2, 873, 208	2, 937	7, 802, 959
Ætna Life Insurance Co	4, 253	6, 609, 904	4, 543	8, 439, 932	56, 252	77, 738, 038
Charter Oak Life Insurance Co	1, 018	1, 075, 646	2, 569	3, 070, 879	19, 192	19, 630, 626
Connecticut General Life Insurance Co	597	777, 601	562	894, 460	3, 417	5, 336, 750
Connecticut Mutual Life Insurance Co	5, 154	10, 707, 194	5, 629	16, 441, 235	64, 504	164, 585, 123
Continental Life Ins. Co. of Hartford	1, 253	1, 357, 791	1, 657	2, 241, 517	8, 394	8, 400, 994
Hartford Life and Annuity Ins. Co	283	314, 194	273	433, 593	2, 235	2, 868, 531
Phœnix Mutual Life Insurance Co	1, 895	2, 157, 164	3, 065	5, 484, 546	22, 672	35, 088, 551
Travelers' Insurance Co	1, 771	2, 812, 450	1, 550	2, 899, 682	11, 352	18, 182, 132
National L. Ins. Co. of the U. S. of Amer.	667	997, 598	1, 399	2, 895, 353	7, 931	14, 272, 153
Cotton States Life Insurance Co	81	63, 896	121	342, 909	1, 053	1, 242, 600
Franklin Life Insurance Co	133	209, 780	82	222, 099	1, 113	1, 790, 460
Equitable Life Insurance Co. of Iowa	395	446, 741	158	275, 847	1, 531	1, 746, 399
Southern Mutual Life Ins. Co. of Ky	397	593, 506	361	705, 271	2, 250	4, 518, 647
Missouri Valley Life Insurance Co	34	29, 926	221	384, 893	799	1, 030, 642
Louisiana Equitable Life Insurance Co.	426	1, 232, 750	22	57, 180	1, 068	2, 522, 873
Union Mutual Life Insurance Co	2, 339	4, 191, 956	3, 199	6, 409, 722	14, 915	26, 697, 370
Maryland Life Ins. Co. of Baltimore	201	343, 717	244	439, 330	1, 400	3, 268, 420
Mutual Life Ins. Co. of Baltimore	730	291, 908	355	296, 801	1, 469	734, 564
Berkshire Life Insurance Co	787	1, 769, 519	648	1, 342, 361	5, 373	11, 458, 633
John Hancock Mutual Life Ins. Co	977	1, 885, 091	1, 404	2, 972, 110	6, 365	11, 922, 714
Massachusetts Mutual Life Ins. Co	1, 012	2, 575, 888	1, 330	3, 570, 412	13, 065	28, 777, 145
New England Mutual Life Ins. Co	2, 171	6, 589, 959	2, 613	7, 730, 399	18, 776	55, 040, 488
State Mutual Life Assurance Co	267	696, 500	293	596, 900	4, 650	9, 914, 758
The Michigan Mutual Life Ins. Co	808	1, 403, 124	1, 176	2, 480, 931	4, 639	8, 744, 977
Covenant Mutual L. Ins. Co. of St. Louis	252	314, 370	255	406, 244	1, 337	1, 962, 702
German Mutual L. Ins. Co. of St. Louis	15	24, 000	54	55, 458	594	875, 864
Mutual Benefit Life Insurance Co	3, 368	7, 917, 612	2, 846	9, 376, 958	42, 286	117, 720, 246
Prudential Insurance Co. of America	35, 879	3, 193, 231	14, 914	1, 353, 813	43, 268	3, 864, 949
Brooklyn Life Insurance Co	629	905, 971	687	1, 545, 513	3, 258	6, 318, 467
Equitable L. Assurance Soc. of the U. S.	7, 483	26, 502, 541	5, 818	21, 882, 182	48, 048	162, 357, 715
Germania Life Insurance Co	2, 485	3, 788, 457	1, 942	3, 224, 799	19, 896	32, 755, 020
Home Life Insurance Co	721	1, 231, 234	1, 155	2, 231, 434	7, 424	14, 308, 463
Homœopathic Mutual Life Ins. Co	592	787, 325	889	1, 444, 818	2, 261	3, 289, 266
Knickerbocker Life Insurance Co	602	1, 169, 619	1, 528	3, 460, 173	6, 638	13, 265, 177
Manhattan Life Insurance Co	1, 049	2, 902, 706	1, 253	3, 833, 433	11, 416	33, 332, 618
Metropolitan Life Insurance Co	5, 726	1, 060, 720	2, 919	3, 296, 909	12, 823	11, 666, 967
Mutual Life Insurance Co. of New York	12, 213	38, 408, 054	8, 618	30, 421, 502	95, 423	298, 760, 867
New York Life Insurance Co	5, 524	17, 098, 173	4, 824	14, 912, 555	45, 705	127, 417, 762
Provident Savings L. Assurance Soc	4, 837	1, 407, 176	2, 718	998, 047	3, 017	2, 443, 564
U. S. L. Ins. Co. in the city of New York	1, 337	3, 416, 843	1, 543	4, 169, 816	9, 711	17, 362, 693
Washington Life Insurance Co	1, 432	2, 754, 515	1, 238	2, 540, 460	10, 139	20, 662, 287
Universal Life Insurance Co	665	620, 627	4, 478	5, 895, 933	4, 297	4, 256, 476
Western New York Life Ins. Co	65	53, 350	388	298, 880	711	497, 946
North Carolina State Life Ins. Co	154	176, 281	170	271, 966	962	1, 330, 418
Toledo Mutual Life Insurance Co	32	43, 643	97	159, 164	358	328, 468
Union Central Life Insurance Co	763	1, 348, 405	1, 106	2, 068, 632	4, 276	7, 466, 120
American Life Insurance Co	424	691, 758	1, 840	3, 697, 381	6, 358	11, 223, 645
Girard L. Ins., An., and Trust Co of Phila	10	17, 850	50	143, 222	679	1, 674, 180
Penn Mutual Life Ins. Co of Phila	1, 732	4, 017, 139	1, 274	3, 624, 203	11, 189	29, 678, 033
Presbyterian Annuity and L. Ins. Co	44	79, 766	26	65, 500	359	799, 287
Provident Life and Trust Co. of Phila	1, 173	3, 872, 479	690	2, 393, 292	7, 357	22, 486, 295
National Life Insurance Co	368	1, 022, 767	345	900, 072	4, 053	8, 377, 819
Vermont Life Insurance Co	76	102, 907	471	260, 144	1, 681	1, 098, 771
Life Insurance Co. of Virginia	95	131, 646	109	244, 067	897	1, 661, 883
Piedmont and Arlington L. Ins. Co	273	223, 375	617	1, 629, 178	4, 076	7, 507, 815
Northwestern Mutual Life Ins. Co	3, 739	9, 036, 426	3, 927	8, 528, 552	33, 066	61, 948, 888

FIRE AND MARINE INSURANCE.

1455

DEPARTMENT OF THE INTERIOR,
CENSUS OFFICE,
New York, N. Y., January 9, 1883.

Hon. C. W. SEATON,
Superintendent Tenth Census.

SIR: I have the honor to transmit herewith the tables relating to fire and marine insurance prepared for the Compendium of the Tenth Census.

As the fiscal year of nearly all insurance companies ends upon the 31st of December, it was deemed advisable to use the year 1879 as the decennial year for this branch of the census work; hence the reports rendered by the companies were made up to December 31, 1879, with a few exceptions where the fiscal year ended after that date, but prior to June, 1880. By this means the companies were enabled to furnish more complete and reliable statements.

The appended tables or abstracts offer a condensed view of the general results of the fire and marine insurance business in the United States for the year ending December 31, 1879, viz:

Table CXVII gives a classification of all the fire and marine insurance companies doing business in the United States on the 31st of December, 1879, with the number of companies in each class organized in each state; the several plans of effecting insurance in use, and the number of companies of each class in each state transacting business on each plan; the number of companies having a joint-stock capital; the amount of capital authorized; and the amount paid up in cash or secured notes.

Table CXVIII shows the assets of each class of companies in each state, giving the amount invested in real estate; bond and mortgage (first liens); United States bonds and securities; state, county, and municipal bonds and securities; railroad, canal, and other miscellaneous stocks and bonds; cash loans secured by collaterals; and the premium-note assets held by the mutual companies of the country.

Table CXIX gives the liabilities of each class of companies in each state, exhibiting the cash liabilities; the contingent liabilities, or reinsurance reserve fund; the policy holders' surplus; the amount of capital of each class of companies; the surplus over the capital liability; and the net assets or surplus as between the cash liabilities and ledger assets.

Table CXX is an exhibit of the total cash income, including the amounts received from premiums, investments, and increased capital, and the total cash expenditures, including losses, dividends, and expense of management.

Table CXXI gives the number of companies of each class in each state, showing a surplus or deficit as between ledger assets and policy holders' liability, capital liability, scrip liability, and, for mutual companies, the surplus or deficiency between cash assets and cash liabilities.

Table CXXII shows the amount of fire and marine and inland risks written during the year 1879; the amount and average rate of premium charged therefor; the amount of losses incurred during the year; and the amount of risks in force at the end of the year.

Table CXXIII is an exhibit, by percentages, of the relations of the leading phases of the business, as represented in the tables, to each other.

As the results of the investigations of the fire and marine insurance business will be elaborated in the full report of the census, care has been taken to show in the appended tables only the more important features of the financial condition of the companies and their business transacted during the census year.

Very respectfully, your obedient servant,

CHAS. A. JENNEY,
Special Agent.

AN EXHIBIT IN AGGREGATES OF THE BUSINESS TRANSACTED DURING COMPANIES AND ASSOCIATIONS OF THE UNITED STATES, FOREIGN COUNTRIES, AND THEIR FINANCIAL

The companies are classified as follows:
CLASS 1.—Those doing business with a joint-stock capital.
CLASS 2.—Those doing business with a guarantee capital.

TABLE CXVII.—*Classification and capital stock of*

[See notes to Table CXVII on pages 1462 and 1463.]

	States, etc.	CLASSIFICATION OF COMPANIES.				PLANS OF EFFECTING INSURANCE, AND THE NUMBER OF COMPANIES UNDER EACH PLAN.						
		Number of companies of each class.	Number of companies doing a fire business only.	Number of companies doing a fire-marine business.	Number of companies doing a marine business only.	Joint-stock capital.	Mutual companies' guarantee capital.	Premium-note plan.	Mutual all-cash plan.	Where policies are subject to assessment.	Where the assured gives an undertaking, obligation, or bond which is subject to assessment.	Both premium-note and all-cash plan.
	CLASS 1.											
	Total	424	253	135	36	424						
1	Alabama	10	3	7		10						
2	California	8	2	6		8						
3	Colorado	2	2			2						
4	Connecticut	12	10	2		12						
5	Delaware	2	2			2						
6	Dist. of Columbia	8	8			8						
7	Georgia	1	1			1						
8	Illinois	8	7	1		8						
9	Indiana	b 6	2	4		6						
10	Iowa	5	5			5						
11	Kentucky	10	6	4		10						
12	Louisiana	15	1	14		15						
13	Maine	4			4	4						
14	Maryland	13	12		1	13						
15	Massachusetts	b 28	14	8	6	28						
16	Michigan	2	1	1		2						
17	Minnesota	1		1		1						
18	Mississippi	1		1		1						
19	Missouri	5	1	4		5						
20	Nevada	c 1	1			1						
21	New Hampshire	1	1			1						
22	New Jersey	22	20	2		22						
23	New York	84	60	23	1	84						
24	North Carolina	2	2			2						
25	Ohio	32	19	13		32						
26	Pennsylvania	47	33	14		47						
27	Rhode Island	5	2	3		5						
28	Tennessee	11	2	9		11						
29	Texas	2	1	1		2						
30	Vermont	f 1	1			1						
31	Virginia	12	6	6		12						
32	West Virginia	b 6	4	2		6						
33	Wisconsin	3	2	1		3						
34	Ins. cos. of foreign countries in U. S.	k 54	22	8	24	54						
	CLASS 2.											
	Total	10	5	2	3		10					
1	Massachusetts	7	3	2	2		7					
2	Pennsylvania	1	1				1					
3	Tennessee	f 1			1		1					
4	Wisconsin	1	1				1					

THE YEAR 1879 BY THE FIRE, FIRE-MARINE, AND MARINE INSURANCE AND THE UNITED STATES BRANCHES OF COMPANIES OF CONDITION ON THE 31ST OF DECEMBER, 1879.

CLASS 3.—Those doing a general business on the mutual plan.
CLASS 4.—Those doing a farm or local business on the mutual plan.

fire, fire-marine, and marine insurance companies.

[See notes to Table CXVII on pages 1462 and 1463.]

PLANS OF EFFECTING INSURANCE, AND THE NUMBER OF COMPANIES UNDER EACH PLAN—continued.							CAPITAL STOCK AND GUARANTEE FUND.			
Both premium note and policies subject to assessment.	Both all-cash plan and policies subject to assessment.	Premium note, all-cash plan, and policies subject to assessment.	Where a per cent. of insurance effected is set apart (called premiums) and subject to assessment.	Where a voluntary assessment is made upon the face of the policy.	When the assured accepts policy, he assumes a liability based on amount of premium paid which is subject to assessment.	Perpetual plan.	Amount of joint-stock or guarantee capital authorized.	Amount of joint-stock or guarantee capital paid up in cash.	Amount of joint-stock or guarantee capital paid up in notes.	
							Dollars.	*Dollars.*	*Dollars.*	
.....	.....	.....	.....	.....	.....	22	143,217,000	97,560,588	2,449,051	
.....	.....	.....	.....	.....	.....	.....	2,100,000	1,112,115	54,600	1
.....	.....	.....	.....	.....	.....	.....	2,250,000	2,250,000	.....	2
.....	.....	.....	.....	.....	.....	.....	200,000	20,000	180,000	3
.....	.....	.....	.....	.....	.....	1	17,300,000	8,301,500	148,500	4
.....	.....	.....	.....	.....	.....	1	250,000	150,000	*a* 182,745	5
.....	.....	.....	.....	.....	.....	.....	1,350,000	800,500	200,000	6
.....	.....	.....	.....	.....	.....	.....	500,000	280,000	20,000	7
.....	.....	.....	.....	.....	.....	.....	3,300,000	1,376,500	38,900	8
.....	.....	.....	.....	.....	.....	.....	1,100,000	510,900	.....	9
.....	.....	.....	.....	.....	.....	.....	630,000	157,500	472,500	10
.....	.....	.....	.....	.....	.....	.....	2,000,000	1,200,000	.....	11
.....	.....	.....	.....	.....	.....	.....	10,650,000	5,445,656	126,544	12
.....	.....	.....	.....	.....	.....	.....	1,200,000	440,000	.....	13
.....	.....	.....	.....	.....	.....	3	4,728,000	2,710,555	.....	14
.....	.....	.....	.....	.....	.....	.....	7,460,000	7,329,000	.....	15
.....	.....	.....	.....	.....	.....	.....	500,000	400,000	.....	16
.....	.....	.....	.....	.....	.....	.....	2,000,000	400,000	.....	17
.....	.....	.....	.....	.....	.....	.....	500,000	200,000	.....	18
.....	.....	.....	.....	.....	.....	.....	950,000	860,000	.....	19
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20
.....	.....	.....	.....	.....	.....	.....	500,000	250,000	.....	21
.....	.....	.....	.....	.....	.....	1	7,100,000	4,445,830	.....	22
.....	.....	.....	.....	.....	.....	.....	36,394,000	25,169,100	.....	23
.....	.....	.....	.....	.....	.....	.....	650,000	45,060	158,490	24
.....	.....	.....	.....	.....	.....	.....	5,510,000	4,289,431	60,569	25
.....	.....	.....	.....	.....	.....	16	17,520,000	10,645,206	*d* 67,178	26
.....	.....	.....	.....	.....	.....	.....	2,100,000	1,100,000	.....	27
.....	.....	.....	.....	.....	.....	.....	3,700,000	1,443,977	*e* 306,023	28
.....	.....	.....	.....	.....	.....	.....	1,000,000	400,000	.....	29
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30
.....	.....	.....	.....	.....	.....	.....	6,475,000	1,858,718	299,332	31
.....	.....	.....	.....	.....	.....	.....	1,300,000	460,000	90,000	32
.....	.....	.....	.....	.....	.....	.....	2,000,000	835,730	*d* 43,670	33
.....	.....	.....	.....	.....	.....	.....	.....	12,673,310	.....	34
.....	1	.....	.....	.....	.....	.....	1,722,200	1,530,200	242,000	
.....	.....	.....	.....	.....	.....	.....	1,422,200	1,380,200	242,000	1
.....	1	.....	.....	.....	.....	.....	50,000	50,000	.....	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
.....	.....	.....	.....	.....	.....	.....	250,000	100,000	.....	4

TABLE CXVII.—*Classification and capital stock of fire,*

	States, etc.	Classification of companies.				Plans of effecting insurance, and the number of companies under each plan.						
		Number of companies of each class.	Number of companies doing a fire business only.	Number of companies doing a fire-marine business.	Number of companies doing a marine business only.	Joint-stock capital.	Mutual companies' guarantee capital.	Premium-note plan.	Mutual all-cash plan.	Where policies are subject to assessment.	Where the assured gives an undertaking, obligation, or bond which is subject to assessment.	Both premium-note and all-cash plan.
	CLASS 3.											
	Total	235	226	3	6			175	18	9		7
1	Connecticut	12	12					10	2			
2	Delaware	4	4					4		1		
3	Dist. of Columbia	2	2					2				
4	Georgia	1	1						1			
5	Illinois	g 8	8					6				
6	Indiana	1	1					1				
7	Iowa	2	2					2				
8	Kentucky	4	4					2	2			
9	Maine	3	2		1			2	1			
10	Maryland	13	13					12	1			
11	Massachusetts	h 41	40		1			38	1			
12	Minnesota	g 2	2							1		
13	Missouri	14	13	1				14				
14	New Jersey	21	20	1				21				
15	New York	12	7	1	4			7	5			
16	North Carolina	1	1					1				
17	Ohio	g 30	30					27	2			
18	Pennsylvania	g 39	39					18	3	6		7
19	Rhode Island	16	16					1				
20	South Carolina	1	1							1		
21	Vermont	3	3					3				
22	Virginia	2	2					1				
23	Wisconsin	3	3					3				
	CLASS 4.											
	Total	978	978					223	1	542	108	2
1	Connecticut	5	5					4	1			
2	Delaware	i 2	2									
3	Illinois	i 164	164					22		106	31	
4	Indiana	i 56	56					7		42		
5	Iowa	i 78	78					5		55	5	
6	Kentucky	i 4	4					1		2		
7	Maine	33	33					32		1		
8	Maryland	5	5					4		1		
9	Massachusetts	8	8					8				
10	Michigan	i 55	55					3		47		
11	Minnesota	i 28	28					1		15	4	
12	Missouri	i 25	25					8		12		
13	Nebraska	1	1							1		
14	New Hampshire	27	27					26		1		
15	New Jersey	12	12					10		2		
16	New York	i 82	82					7		45	20	
17	Ohio	i 67	67					3		53	2	
18	Pennsylvania	i 153	153					70		52		2
19	Rhode Island	1	1					1				
20	Vermont	i 3	3					1		1		
21	Virginia	i 11	11							12		
22	West Virginia	2	2					2				
23	Wisconsin	i 156	156					8		95	46	

fire-marine, and marine insurance companies—Continued.

PLANS OF EFFECTING INSURANCE, AND THE NUMBER OF COMPANIES UNDER EACH PLAN—continued.							CAPITAL STOCK AND GUARANTEE FUND.			
Both premium note and policies subject to assessment.	Both all-cash plan and policies subject to assessment.	Premium note, all-cash plan, and policies subject to assessment.	Where a per cent. of insurance effected is set apart (called premiums) and subject to assessment.	Where a voluntary assessment is made upon the face of the policy.	When the assured accepts policy, he assumes a liability based on amount of premium paid which is subject to assessment.	Perpetual plan.	Amount of joint-stock or guarantee capital authorized.	Amount of joint-stock or guarantee capital paid up in cash.	Amount of joint-stock or guarantee capital paid up in notes.	
							Dollars.	*Dollars.*	*Dollars.*	
2	1	1	1	1	15	17				
										1
										2
										3
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TABLE CXVII.—*Classification and capital stock of fire,*

	States, etc.	CLASSIFICATION OF COMPANIES.				PLANS OF EFFECTING INSURANCE, AND THE NUMBER OF COMPANIES UNDER EACH PLAN.						
		Number of companies of each class.	Number of companies doing a fire business only.	Number of companies doing a fire-marine business.	Number of companies doing a marine business only.	Joint-stock capital.	Mutual companies' guarantee capital.	Premium-note plan.	Mutual all-cash plan.	Where policies are subject to assessment.	Where the assured gives an undertaking, obligation, or bond which is subject to assessment.	Both premium-note and all-cash plan.
	SUMMARY OF ALL CLASSES.											
	Total	1,647	1,462	140	45	424	10	398	19	551	108	9
1	Alabama	10	3	7	.....	10	.....	.....	.....	.....	.....	.....
2	California	8	2	6	.....	8	.....	.....	.....	.....	.....	.....
3	Colorado	2	2	.....	.....	2	.....	.....	.....	.....	.....	.....
4	Connecticut	29	27	2	.....	12	.....	14	3	.....	.....	.....
5	Delaware	8	8	.....	.....	2	.....	4	.....	1	.....	.....
6	Dist. of Columba	10	10	.....	.....	8	.....	2	.....	.....	.....	.....
7	Georgia	2	2	.....	.....	1	.....	.....	1	.....	.....	.....
8	Illinois	180	179	1	.....	8	.....	28	.....	106	31	.....
9	Indiana	63	59	4	.....	6	.....	8	.....	42	.....	.....
10	Iowa	85	85	.....	.....	5	.....	7	.....	55	5	.....
11	Kentucky	18	14	4	.....	10	.....	3	2	2	.....	.....
12	Louisiana	15	1	14	.....	15	.....	.....	.....	.....	.....	.....
13	Maine	40	35	.....	5	4	.....	34	1	1	.....	.....
14	Maryland	31	30	.....	1	13	.....	16	1	1	.....	.....
15	Massachusetts	84	65	10	9	28	7	46	1	.....	.....	.....
16	Michigan	57	56	1	.....	2	.....	3	.....	47	.....	.....
17	Minnesota	31	30	1	.....	1	.....	1	.....	16	4	.....
18	Mississippi	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....
19	Missouri	44	39	5	.....	5	.....	22	.....	12	.....	.....
20	Nebraska	1	1	.....	.....	.....	.....	.....	.....	1	.....	.....
21	Nevada	1	1	.....	.....	1	.....	.....	.....	.....	.....	.....
22	New Hampshire	28	28	.....	.....	1	.....	26	.....	1	.....	.....
23	New Jersey	55	52	3	.....	22	.....	31	.....	2	.....	.....
24	New York	178	149	24	5	84	.....	14	5	45	20	.....
25	North Carolina	3	3	.....	.....	2	.....	1	.....	.....	.....	.....
26	Ohio	129	116	13	.....	32	.....	30	2	53	2	.....
27	Pennsylvania	240	226	14	.....	47	1	88	3	57	.....	9
28	Rhode Island	22	19	3	.....	5	.....	2	.....	.....	.....	.....
29	South Carolina	1	1	.....	.....	.....	.....	.....	.....	1	.....	.....
30	Tennessee	12	2	9	1	11	1	.....	.....	.....	.....	.....
31	Texas	2	1	1	.....	2	.....	.....	.....	.....	.....	.....
32	Vermont	7	7	.....	.....	1	.....	4	.....	1	.....	.....
33	Virginia	25	19	6	.....	12	.....	1	.....	12	.....	.....
34	West Virginia	8	6	2	.....	6	.....	2	.....	.....	.....	.....
35	Wisconsin	163	162	1	.....	3	1	11	.....	95	46	.....
36	Ins. cos. of foreign countries in U. S.	54	22	8	24	54	.....	.....	.....	.....	.....	.....

a Premium notes.

b In each of the states of Indiana, Massachusetts, and West Virginia one company began business after December 31, 1879; figures are not included in these tables.

c In the state of Nevada one company was not included; figures will be given in the final report.

d Stock notes not carried as assets by companies.

e $1,603 stock notes not carried as assets by company.

f In each of the states of Tennessee and Vermont one company began business after December 31, 1879; figures are not included in these tables.

g In each of the states of Minnesota, Ohio, and Pennsylvania, one company began business after December 31, 1879; figures are not included in these tables. In the state of Illinois two companies began business after December 31, 1879; figures are not included in these tables.

h The figures for one company of Greenfield, Massachusetts, were taken from the report of the insurance department of Massachusetts, owing to the fact of the company's refusal to make a report to the Census Office.

i In each of the states of Kentucky and Delaware one company began business after December 31, 1879; figures are not included in these tables. In each of the states of Illinois, Pennsylvania, Vermont,

fire-marine, and marine insurance companies—Continued.

PLANS OF EFFECTING INSURANCE, AND THE NUMBER OF COMPANIES UNDER EACH PLAN—continued.							CAPITAL STOCK AND GUARANTEE FUND.			
Both premium note and policies subject to assessment.	Both all-cash plan and policies subject to assessment.	Premium note, all-cash plan, and policies subject to assessment.	Where a per cent. of insurance effected is set apart (called premiums) and subject to assessment.	Where a voluntary assessment is made upon the face of the policy.	When the assured accepts policy, he assumes a liability based on amount of premium paid which is subject to assessment.	Perpetual plan.	Amount of joint-stock or guarantee capital authorized.	Amount of joint-stock or guarantee capital paid up in cash.	Amount of joint-stock or guarantee capital paid up in notes.	
3	2	1	1	1	15	39	*Dollars.* 144,939,200	*Dollars.* 99,090,788	*Dollars.* 2,691,051	
							2,100,000	1,112,115	54,600	1
							2,250,000	2,250,000		2
							200,000	20,000	180,000	3
						1	17,300,000	8,301,500	148,500	4
						1	250,000	150,000	*a* 182,745	5
							1,350,000	800,500	200,000	6
							500,000	280,000	20,000	7
							3,300,000	1,376,500	38,900	8
							1,100,000	510,900		9
							630,000	157,500	472,500	10
						2	2,000,000	1,200,000		11
							10,650,000	5,445,656	126,544	12
							1,200,000	440,000		13
						5	4,728,000	2,710,555		14
							8,882,200	8,709,200	242,000	15
							500,000	400,000		16
							2,000,000	400,000		17
							500,000	200,000		18
							950,000	860,000		19
										20
										21
							500,000	250,000		22
						3	7,100,000	4,445,830		23
							36,394,000	25,169,100		24
							650,000	45,060	158,490	25
						1	5,510,000	4,289,431	60,569	26
3	2	1	1	1		25	17,570,000	10,695,206	*d* 67,178	27
					15		2,100,000	1,100,000		28
						1				29
							3,700,000	1,443,977	*e* 306,023	30
							1,000,000	400,000		31
										32
							6,475,000	1,858,718	299,332	33
							1,300,000	460,000	90,000	34
							2,250,000	935,730	*d* 43,670	35
								12,673,310		36

and Virginia one company was not included; figures will be given in final report. In each of the states of Minnesota, Missouri, and New York two companies were not included; figures will be given in final report. In each of the states of Indiana and Missouri three companies began business after December 31, 1879; figures are not included in these tables. In the state of Iowa three companies were not included; figures will be given in final report. In the state of Illinois four companies began business after December 31, 1879; figures are not included in these tables. In each of the states of Indiana and Wisconsin four companies were not included; figures will be given in final report. In each of the states of Michigan and Wisconsin five companies began business after December 31, 1879; figures are not included in these tables. In the state of Minnesota six companies began business after December 31, 1879; figures are not included in these tables. In the state of Pennsylvania seven companies began business after December 31, 1879; figures are not included in these tables. In the states of Iowa and New York eight companies began business after December 31, 1879; figures are not included in these tables. In the state of Ohio nine companies began business after December 31, 1879; figures are not included in these tables.

k Includes 19 companies having no deposit capital or available assets in this country. They do principally a marine business through agencies and on the Pacific coast.

TABLE CXVIII.—*Assets of fire, fire-marine, and*

	States, etc.	CASH OR AVAILABLE ASSETS.			
		Market value of real estate owned, less all incumbrances.	Amounts loaned on bond and mortgage (first liens).	Market value of United States bonds and securities actually owned.	Market value of state, county, city, and town bonds and securities actually owned.
	CLASS 1.				
	Total	*Dollars.* 16, 523, 565	*Dollars.* 39, 054, 021	*Dollars.* 62, 455, 561	*Dollars.* 16, 631, 415
1	Alabama	87, 850	203, 363	39, 255	53, 744
2	California	590, 103	1, 141, 404	715, 015	185, 805
3	Colorado				
4	Connecticut	1, 329, 679	1, 783, 845	1, 812, 153	3, 023, 502
5	Delaware	12, 400	118, 582		6, 390
6	District of Columbia	187, 326	686, 012	100, 118	149, 077
7	Georgia	91, 110	24, 514	89, 600	60, 805
8	Illinois	84, 323	1, 377, 557	293, 944	227, 443
9	Indiana	134, 410	63, 499	2, 575	44, 000
10	Iowa	82, 595	216, 878		
11	Kentucky	126, 612	355, 893	15, 600	229, 601
12	Louisiana	1, 019, 967	1, 194, 297	496, 101	155, 650
13	Maine	75, 000	195, 649	26, 732	188, 460
14	Maryland	700, 486	411, 203	349, 307	1, 268, 710
15	Massachusetts	677, 235	1, 879, 439	1, 495, 405	1, 454, 001
16	Michigan	115, 755	532, 104	31, 800	35, 795
17	Minnesota	115, 275	55, 904	52, 250	169, 885
18	Mississippi	88, 060		53, 000	51, 275
19	Missouri	45, 542	83, 440	244, 000	665, 100
20	Nevada				
21	New Hampshire	2, 620	43, 754	155, 100	136, 650
22	New Jersey	1, 426, 508	3, 971, 122	1, 360, 264	293, 817
23	New York	3, 354, 219	10, 666, 894	29, 391, 072	1, 606, 393
24	North Carolina	6, 000	70, 910	1, 125	
25	Ohio	885, 811	1, 207, 394	1, 407, 012	369, 902
26	Pennsylvania	3, 371, 729	9, 888, 429	3, 287, 611	4, 877, 190
27	Rhode Island	282, 180	36, 800	237, 819	23, 200
28	Tennessee	182, 087	96, 482	115, 538	199, 041
29	Texas	23, 000	83, 232		13, 000
30	Vermont				
31	Virginia	300, 136	814, 815	381, 336	477, 158
32	West Virginia	112, 000	88, 242	10, 700	130, 170
33	Wisconsin	11, 060	401, 185	444, 025	178, 000
34	Insurance companies of foreign countries in United States.	1, 002, 487	1, 361, 179	19, 847, 074	357, 651
	CLASS 2.				
	Total	111, 593	592, 288	126, 855	259, 819
1	Massachusetts	98, 593	474, 461	106, 255	240, 819
2	Pennsylvania		24, 902		
3	Tennessee				
4	Wisconsin	13, 000	92, 925	20, 600	19, 000

marine insurance companies, December 31, 1879.

CASH OR AVAILABLE ASSETS—continued.				CONTINGENT ASSETS.	LEDGER ASSETS.	
Market value of all other bonds, stock, and securities actually owned.	Amounts loaned on collateral securities.	Amounts of cash or available assets not previously specified.	Total amounts of cash or available assets.	Premium and deposit notes, bonds, obligations, undertakings, policies subject to assessment, and all other assets of mutual companies that are assessable and a security for the payment of losses and expenses.	Totals of cash or available assets and contingent assets.	
Dollars. 28, 869, 838	*Dollars.* 8, 970, 624	*Dollars.* 31, 636, 776	*Dollars.* 204, 141, 800	*Dollars.* 308, 732	*Dollars.* 204, 450, 532	
64, 581	712, 497	319, 765	1, 481, 055	.....	1, 481, 055	1
146, 000	252, 922	751, 284	3, 782, 533	.....	3, 782, 533	2
.....	13, 500	194, 925	208, 425	.....	208, 425	3
7, 069, 077	295, 997	3, 059, 817	18, 374, 070	.....	18, 374, 070	4
40, 914	9, 400	8, 700	196, 386	182, 745	379, 131	5
157, 899	19, 563	301, 238	1, 601, 233	.....	1, 601, 233	6
198, 849	24, 563	35, 139	524, 580	.....	524, 580	7
111, 193	689, 146	740, 010	3, 524, 216	125, 987	3, 650, 203	8
89, 350	268, 137	69, 059	671, 030	.....	671, 030	9
1, 150	72, 240	1, 318, 982	1, 691, 845	.....	1, 691, 845	10
112, 681	118, 658	528, 969	1, 488, 014	.....	1, 488, 014	11
1, 244, 313	649, 094	2, 025, 175	6, 784, 597	.....	6, 784, 597	12
81, 102	96, 789	330, 027	993, 759	.....	993, 759	13
1, 309, 851	92, 374	381, 991	4, 513, 922	.....	4, 513, 922	14
4, 943, 654	618, 929	2, 655, 180	13, 723, 843	.....	13, 723, 843	15
8, 500	14, 608	127, 781	866, 343	.....	866, 343	16
105, 679	203, 973	154, 715	857, 681	.....	857, 681	17
38, 600	3, 933	11, 295	246, 163	.....	246, 163	18
323, 404	39, 830	325, 335	1, 726, 651	.....	1, 726, 651	19
.....	.....	.....	.....	.....	.....	20
119, 400	14, 000	66, 300	537, 824	.....	537, 824	21
520, 180	212, 298	953, 805	8, 737, 994	.....	8, 737, 994	22
3, 970, 550	1, 670, 244	5, 494, 702	56, 154, 074	.....	56, 154, 074	23
1, 500	7, 712	175, 654	262, 901	.....	262, 901	24
1, 400, 683	284, 534	1, 240, 083	6, 795, 419	.....	6, 795, 419	25
4, 825, 942	1, 122, 534	4, 390, 153	31, 763, 588	.....	31, 763, 588	26
834, 366	22, 684	354, 714	1, 791, 763	.....	1, 791, 763	27
204, 475	531, 662	727, 520	2, 056, 805	.....	2, 056, 805	28
303, 762	.....	47, 419	470, 413	.....	470, 413	29
.....	.....	.....	.....	.....	.....	30
394, 321	720, 089	842, 895	3, 930, 780	.....	3, 930, 780	31
73, 542	72, 816	157, 004	644, 474	.....	644, 474	32
72, 600	5, 055	274, 966	1, 386, 891	.....	1, 386, 891	33
101, 720	110, 843	3, 571, 574	26, 352, 528	.....	26, 352, 528	34
1, 244, 499	29, 222	895, 858	3, 260, 134	792, 564	4, 052, 698	
1, 244, 324	27, 900	853, 167	3, 045, 519	344, 238	3, 389, 757	1
175	.....	29, 162	54, 239	448, 326	502, 565	2
.....	.....	.....	.....	.....	.....	3
.....	1, 322	13, 529	160, 376	.....	160, 376	4

TABLE CXVIII.—*Assets of fire, fire-marine, and marine*

	States, etc.	CASH OR AVAILABLE ASSETS.			
		Market value of real estate owned, less all incumbrances.	Amounts loaned on bond and mortgage (first liens).	Market value of United States bonds and securities actually owned.	Market value of state, county, city, and town bonds and securities actually owned.
	CLASS 3.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
	Total	1,842,756	4,712,977	12,453,026	4,129,098
1	Connecticut	33,100	48,689	100,444	273,156
2	Delaware	32,741	38,646	74,124	135,565
3	District of Columbia	35,000	45,045	46,575	26,897
4	Georgia	22,245			193,985
5	Illinois		9,915	50,157	500
6	Indiana	46,400	7,688	20,000	
7	Iowa		8,400		
8	Kentucky	1,200	16,175	14,560	
9	Maine			1,552	20,900
10	Maryland	50,179	366,622	136,165	227,655
11	Massachusetts	328,695	1,096,858	867,251	561,865
12	Minnesota		11,356	5,899	1,050
13	Missouri	27,615	47,926	142,640	43,075
14	New Jersey	26,225	165,522	62,167	2,086
15	New York	693,759	87,776	9,003,323	954,400
16	North Carolina				
17	Ohio	161,195	535,975	204,421	170,564
18	Pennsylvania	278,724	1,983,174	912,610	963,045
19	Rhode Island		29,600	491,576	66,570
20	South Carolina	3,000	3,987		21,010
21	Vermont	47,952	16,673		
22	Virginia	3,490		41,496	372,366
23	Wisconsin	51,236	189,950	278,636	94,500
	CLASS 4.				
	Total				
1	Connecticut				
2	Delaware				
3	Illinois				
4	Indiana				
5	Iowa				
6	Kentucky				
7	Maine				
8	Maryland				
9	Massachusetts				
10	Michigan				
11	Minnesota				
12	Missouri				
13	Nebraska				
14	New Hampshire				
15	New Jersey				
16	New York				
17	Ohio				
18	Pennsylvania				
19	Rhode Island				
20	Vermont				
21	Virginia				
22	West Virginia				
23	Wisconsin				

insurance companies, December 31, 1879—Continued.

CASH OR AVAILABLE ASSETS—continued.				CONTINGENT ASSETS.	LEDGER ASSETS.	
Market value of all other bonds, stock, and securities actually owned.	Amounts loaned on collateral securities.	Amounts of cash or available assets not previously specified.	Total amounts of cash or available assets.	Premium and deposit notes, bonds, obligations, undertakings, policies subject to assessment, and all other assets of mutual companies that are assessable and a security for the payment of losses and expenses.	Totals of cash or available assets and contingent assets.	
Dollars. 6,370,370	*Dollars.* 2,138,625	*Dollars.* 7,228,961	*Dollars.* 38,875,813	*Dollars.* 132,094,571	*Dollars.* 170,970,384	
285,366	10,581	117,294	868,619	4,056,102	4,924,721	1
86,938	46,112	15,054	429,180	1,533,480	1,962,660	2
.....	25,000	26,250	204,677	1,428,795	1,633,472	3
622,162	.....	34,701	873,093	.....	873,093	4
3,000	.....	151,574	215,146	814,350	1,029,496	5
.....	1,369	18,783	94,240	232,070	326,310	6
.....	.....	68,493	76,893	378,448	455,341	7
.....	.....	34,776	66,691	573,411	640,102	8
22,803	.....	13,795	59,050	86,405	145,455	9
644,165	10,188	182,343	1,617,317	3,045,826	4,663,143	10
1,906,601	479,884	931,681	6,172,835	10,501,615	16,674,450	11
12,289	.....	108,414	199,068	15,000,000	15,199,008	12
12,740	.....	88,285	361,681	3,254,544	3,616,225	13
34,238	56,284	193,289	539,811	5,735,548	6,275,359	14
1,099,519	1,439,100	3,085,419	16,363,296	1,799,665	18,162,961	15
1,378	2,727	221	4,326	14,000	18,326	16
123,735	10,000	527,001	1,732,891	8,061,566	9,794,457	17
1,005,621	17,327	602,208	5,855,739	44,164,247	50,019,986	18
413,437	22,360	503,877	1,527,420	14,729,275	16,256,695	19
9,600	.....	6,452	44,049	2,237,975	2,282,024	20
.....	.....	204,286	268,911	4,257,499	4,526,410	21
84,163	830	124,819	627,164	9,955,371	10,582,535	22
2,625	16,863	99,966	793,776	234,379	968,155	23
.....	.....	.....	856,461	511,941,481	512,797,942	
.....	.....	.....	16,512	109,539	126,051	1
.....	.....	.....	.....	1,510,640	1,510,640	2
.....	.....	.....	70,292	27,094,386	27,164,678	3
.....	.....	.....	20,654	11,771,030	11,791,684	4
.....	.....	.....	14,647	17,421,493	17,436,140	5
.....	.....	.....	674	420,332	421,006	6
.....	.....	.....	47,286	514,379	561,665	7
.....	.....	.....	9,879	2,672,934	2,682,813	8
.....	.....	.....	9,127	1,148,738	1,157,865	9
.....	.....	.....	116,473	119,515,619	119,632,092	10
.....	.....	.....	6,064	2,038,362	2,044,426	11
.....	.....	.....	2,395	2,034,102	2,036,497	12
.....	.....	.....	25	31,023	31,048	13
.....	.....	.....	28,484	483,657	512,141	14
.....	.....	.....	12,539	23,210,062	23,222,601	15
.....	.....	.....	25,718	35,170,866	35,196,584	16
.....	.....	.....	21,945	24,978,224	24,908,169	17
.....	.....	.....	328,863	188,598,355	188,927,218	18
.....	.....	.....	5,837	61,266	67,103	19
.....	.....	.....	9,086	350,350	359,436	20
.....	.....	.....	3,758	4,501,023	4,504,781	21
.....	.....	.....	1,651	49,166	50,817	22
.....	.....	.....	104,552	48,257,935	48,362,487	23

TABLE CXVIII.—*Assets of fire, fire-marine, and marine*

	States, etc.	CASH OR AVAILABLE ASSETS.			
		Market value of real estate owned, less all incumbrances.	Amounts loaned on bond and mortgage (first liens).	Market value of United States bonds and securities actually owned.	Market value of state, county, city, and town bonds and securities actually owned.
	SUMMARY.				
	Total	*Dollars.* 18,477,914	*Dollars.* 44,359,286	*Dollars.* 75,035,442	*Dollars.* 21,020,332
1	Alabama	87,850	203,363	39,255	53,744
2	California	590,103	1,141,404	715,015	185,805
3	Colorado	.....	.....	.....	.....
4	Connecticut	1,362,779	1,832,534	1,912,597	3,296,657
5	Delaware	45,141	157,228	74,124	141,955
6	District of Columbia	222,326	731,057	146,693	175,884
7	Georgia	113,355	24,514	89,600	254,790
8	Illinois	84,323	1,387,472	344,101	227,943
9	Indiana	180,810	71,187	22,575	44,000
10	Iowa	82,595	225,278	.....	.....
11	Kentucky	127,812	372,068	30,160	229,601
12	Louisiana	1,019,967	1,194,297	496,101	155,650
13	Maine	75,000	195,649	28,284	209,360
14	Maryland	750,665	777,825	485,472	1,496,365
15	Massachusetts	1,104,523	3,450,758	2,468,911	2,256,685
16	Michigan	115,755	532,104	31,800	35,795
17	Minnesota	115,275	67,260	58,149	170,935
18	Mississippi	88,060	.....	53,000	51,275
19	Missouri	73,157	131,366	386,040	708,175
20	Nebraska	.....	.....	.....	.....
21	Nevada	.....	.....	.....	.....
22	New Hampshire	2,620	43,754	155,100	136,650
23	New Jersey	1,452,733	4,136,644	1,422,431	295,903
24	New York	4,647,978	10,754,670	38,394,395	2,560,793
25	North Carolina	6,000	70,910	1,125	.....
26	Ohio	1,047,006	1,743,369	1,611,433	540,466
27	Pennsylvania	3,650,453	11,899,505	4,200,251	5,840,235
28	Rhode Island	282,180	66,400	729,395	89,770
29	South Carolina	3,000	3,987	.....	21,010
30	Tennessee	182,087	96,482	115,538	199,041
31	Texas	23,000	83,232	.....	13,000
32	Vermont	47,952	16,673	.....	.....
33	Virginia	303,626	814,815	422,862	849,524
34	West Virginia	112,000	88,242	10,700	130,170
35	Wisconsin	75,296	684,060	743,261	291,500
36	Insurance companies of foreign countries in the United States.	1,002,487	1,361,179	19,847,074	357,651

insurance companies, December 31, 1879—Continued.

CASH OR AVAILABLE ASSETS—continued.				CONTINGENT ASSETS.	LEDGER ASSETS.	
Market value of all other bonds, stock, and securities actually owned.	Amounts loaned on collateral securities.	Amounts of cash or available assets not previously specified.	Total amounts of cash or available assets.	Premium and deposit notes, bonds, obligations, undertakings, policies subject to assessment, and all other assets of mutual companies that are assessable and a security for the payment of losses and expenses.	Totals of cash or available assets and contingent assets.	
Dollars. 36,484,707	*Dollars.* 11,138,471	*Dollars.* 39,761,595	*Dollars.* 247,134,208	*Dollars.* *a* 645,137,348	*Dollars.* 892,271,556	
64,581	712,497	319,765	1,481,055	.....	1,481,055	1
146,000	252,922	751,284	3,782,533	.....	3,782,533	2
.....	13,500	194,925	208,425	.....	208,425	3
7,354,433	306,578	3,177,111	19,259,201	4,165,641	23,424,842	4
127,852	55,512	23,754	625,566	3,226,865	3,852,431	5
157,899	44,563	327,488	1,805,910	1,428,795	3,234,705	6
821,011	24,563	69,840	1,397,673	.....	1,397,673	7
114,193	689,146	892,184	3,809,654	28,034,723	31,844,377	8
89,350	269,506	87,842	785,924	12,003,100	12,789,024	9
1,150	72,240	1,387,475	1,783,385	17,799,941	19,583,326	10
112,681	118,658	563,725	1,555,379	993,743	2,549,122	11
1,244,313	649,094	2,025,175	6,784,597	.....	6,784,597	12
103,905	96,789	343,822	1,100,095	600,784	1,700,879	13
1,954,016	102,562	564,334	6,141,118	5,718,760	11,859,878	14
8,094,579	1,126,713	4,440,028	22,951,324	11,994,591	34,945,915	15
8,500	14,608	127,781	982,816	119,515,619	120,498,435	16
117,968	203,973	263,129	1,002,753	17,038,362	18,041,115	17
38,600	3,933	11,295	246,163	.....	246,163	18
336,144	39,830	413,620	2,090,727	5,288,646	7,379,373	19
.....	.....	.....	25	31,023	31,048	20
.....	.....	.....	.....	.....	.....	21
119,400	14,000	66,300	566,308	483,657	1,049,965	22
554,418	268,582	1,147,094	9,290,344	28,945,610	38,235,954	23
5,070,069	3,109,344	8,580,121	72,543,088	36,970,531	109,513,619	24
2,878	10,439	175,875	267,227	14,000	281,227	25
1,524,418	294,534	1,767,084	8,550,255	33,037,790	41,588,045	26
5,831,738	1,139,861	5,111,523	38,002,429	233,210,928	271,213,357	27
1,247,803	45,044	858,591	3,325,020	14,790,541	18,115,561	28
9,600	.....	6,452	44,049	2,237,975	2,282,024	29
204,475	531,662	727,520	2,056,805	.....	2,056,805	30
303,762	.....	47,419	470,413	.....	470,413	31
.....	.....	204,286	277,997	4,607,849	4,885,846	32
478,484	720,919	967,714	4,561,702	14,456,394	19,018,096	33
73,542	72,816	157,004	646,125	49,166	695,291	34
75,225	23,240	388,461	2,385,595	48,492,314	50,877,909	35
101,720	110,843	3,571,574	26,352,528	.....	26,352,528	36

a Premium and deposit notes, class 1 ..... $308,732
2 344,238
3 66,553,615
4 11,735,318
..... 78,941,903

Policy liability, class 3 14,409,094
Bonds, obligations, undertakings, and policies subject to assessment, class 2... 448,326
Bonds, obligations, undertakings, and policies subject to assessment, class 3... 65,540,956
Bonds, obligations, undertakings, and policies subject to assessment, class 4... 485,797,069
..... 551,786,351

Total 635,137,348

TABLE CXIX.—*Liabilities of fire, fire-marine, and*

[See notes to Table CXIX on pages 1474 and 1475.]

	States, etc.	CASH LIABILITIES.			CONTINGENT LIABILITIES. (a)
		Amount due for unpaid losses.	Miscellaneous cash liabilities.	Total cash liabilities.	Unearned portion of the gross cash premiums charged on the risks in force, or reinsurance reserve fund.
	CLASS 1.				
	Total	*Dollars.* 6,813,097	*Dollars.* 8,932,495	*Dollars.* 15,746,492	*Dollars.* 39,582,507
1	Alabama	3,425	63,146	66,571	61,793
2	California	79,068	10,403	89,471	771,731
3	Colorado	.....	1,001	1,001	7,163
4	Connecticut	563,620	98,279	661,899	4,178,204
5	Delaware	3,368	24,708	28,076	14,969
6	District of Columbia	150	75	225	59,667
7	Georgia	8,010	541	8,551	60,000
8	Illinois	128,158	72,158	200,316	992,609
9	Indiana	.....	545	545	40,449
10	Iowa	18,691	4,557	23,248	696,767
11	Kentucky	19,293	38,988	58,281	130,594
12	Louisiana	156,576	249,128	405,704	644,773
13	Maine	65,610	24,689	90,299	158,908
14	Maryland	46,767	94,518	141,285	330,136
15	Massachusetts	629,391	67,068	696,459	2,835,433
16	Michigan	6,012	287	6,299	96,212
17	Minnesota	34,927	5,371	40,298	251,008
18	Mississippi	.....	.....	.....	12,821
19	Missouri	54,979	17,725	72,704	281,297
20	Nevada	.....	.....	.....	.....
21	New Hampshire	15,869	.....	15,869	124,822
22	New Jersey	192,363	206,659	399,022	1,085,619
23	New York	1,978,637	400,088	2,378,725	11,417,682
24	North Carolina	19,603	4,044	23,647	20,715
25	Ohio	153,415	48,981	202,396	979,749
26	Pennsylvania	884,553	5,656,269	6,540,822	4,093,828
27	Rhode Island	75,916	16,179	92,095	335,168
28	Tennessee	16,424	9,878	26,302	106,038
29	Texas	5,825	22,786	28,611	27,526
30	Vermont	.....	.....	.....	.....
31	Virginia	106,216	999,865	1,106,081	344,887
32	West Virginia	7,919	3,032	10,951	57,142
33	Wisconsin	57,416	5,575	62,991	253,722
34	Insurance companies of foreign countries in United States.	1,481,796	785,952	2,267,748	9,111,075
	CLASS 2.				
	Total	147,518	7,803	155,321	584,119
1	Massachusetts	134,849	6,477	141,326	557,653
2	Pennsylvania	5,062	150	5,212	1,795
3	Tennessee	.....	.....	.....	.....
4	Wisconsin	7,607	1,176	8,783	24,671

marine insurance companies December 31, 1879.

[See notes to Table CXIX on pages 1474 and 1475.]

LIABILITIES AS TO POLICY HOLDERS.	POLICY HOLDERS' SURPLUS.		STOCKHOLDERS' SURPLUS.	NET ASSETS.	
Totals of cash and contingent liabilities.	Excess of ledger assets over liabilities as to policy holders.	Capital and scrip liabilities. (b)	Excess of ledger assets over the total of cash, contingent, capital, and scrip liabilities.	Excess of ledger assets over cash liabilities.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
55, 328, 999	149, 121, 533	101, 695, 096	47, 426, 437	182, 704, 040	
128, 364	1, 352, 691	1, 166, 715	185, 976	1, 414, 484	1
861, 202	2, 921, 331	2, 250, 000	671, 331	3, 693, 062	2
8, 164	200, 261	200, 000	261	297, 424	3
4, 840, 103	13, 533, 967	8, 450, 000	5, 083, 967	17, 712, 171	4
43, 045	336, 086	332, 745	3, 341	351, 055	5
59, 892	1, 541, 341	1, 000, 500	540, 841	1, 601, 008	6
68, 551	456, 029	300, 000	156, 029	516, 029	7
1, 192, 925	2, 457, 278	1, 415, 400	1, 041, 878	3, 449, 887	8
40, 994	630, 036	510, 900	119, 136	670, 485	9
720, 015	971, 830	630, 000	341, 830	1, 668, 597	10
168, 875	1, 299, 139	1, 200, 000	99, 139	1, 429, 733	11
1, 050, 477	5, 734, 120	5, 572, 200	161, 920	6, 378, 893	12
249, 207	744, 552	440, 000	304, 552	993, 460	13
471, 421	4, 042, 501	2, 710, 555	1, 331, 946	4, 372, 637	14
3, 531, 892	10, 191, 951	7, 329, 000	2, 862, 951	13, 027, 384	15
102, 511	763, 832	400, 000	363, 832	860, 044	16
291, 306	566, 375	400, 000	166, 375	857, 383	17
12, 821	233, 342	200, 000	33, 342	246, 163	18
354, 001	1, 372, 650	860, 000	512, 650	1, 653, 947	19
					20
140, 691	397, 133	250, 000	147, 133	521, 955	21
1, 484, 641	7, 253, 353	4, 470, 613	2, 782, 740	8, 338, 972	22
13, 796, 407	42, 357, 667	26, 036, 739	16, 320, 928	53, 775, 349	23
44, 362	278, 539	263, 550	14, 989	239, 254	24
1, 182, 145	5, 613, 274	4, 339, 431	1, 273, 843	6, 593, 023	25
10, 634, 650	21, 128, 938	11, 561, 261	9, 567, 677	25, 222, 766	26
427, 263	1, 364, 500	1, 100, 000	264, 500	1, 699, 668	27
132, 340	1, 924, 465	1, 748, 397	176, 068	2, 030, 503	28
56, 137	414, 276	400, 000	14, 276	441, 802	29
					30
1, 450, 968	2, 479, 812	2, 158, 050	321, 762	2, 824, 699	31
68, 093	576, 381	550, 000	26, 381	632, 523	32
316, 713	1, 070, 178	835, 730	234, 448	1, 323, 900	33
11, 378, 823	14, 973, 705	12, 673, 310	2, 300, 395	24, 084, 780	34
739, 440	3, 313, 258	2, 084, 891	1, 228, 367	3, 897, 377	
698, 979	2, 690, 778	1, 934, 891	755, 887	3, 248, 431	1
7, 007	495, 558	50, 000	445, 588	497, 353	2
					3
33, 454	126, 922	100, 000	26, 922	151, 593	4

TABLE CXIX.—*Liabilities of fire, fire-marine, and*

	States, etc.	CASH LIABILITIES. Amount due for unpaid losses.	Miscellaneous cash liabilities.	Total cash liabilities.	CONTINGENT LIABILITIES. (a) Unearned portion of the gross cash premiums charged on the risks in force, or reinsurance reserve fund.
	CLASS 3.				
	Total	*Dollars.* 3, 116, 029	*Dollars.* 3, 374, 870	*Dollars.* 6, 490, 899	*Dollars.* 8, 130, 501
1	Connecticut	19, 310	8, 527	27, 837	274, 972
2	Delaware	3, 419	12, 877	16, 296	1, 612
3	District of Columbia				18, 063
4	Georgia	13, 114	83, 401	96, 515	106, 322
5	Illinois	4, 460	750	5, 210	11, 801
6	Indiana	1, 600	87	1, 687	
7	Iowa	1, 336		1, 336	
8	Kentucky				33, 916
9	Maine	1, 450		1, 450	9, 718
10	Maryland	36, 144	616, 864	653, 008	84, 945
11	Massachusetts	124, 000	63, 084	187, 084	2, 436, 048
12	Minnesota	3, 354	6, 107	9, 461	
13	Missouri	6, 315	40, 879	47, 194	218, 711
14	New Jersey	51, 088	141, 908	192, 996	364, 592
15	New York	2, 502, 791	573, 481	3, 076, 272	2, 042, 305
16	North Carolina				2, 250
17	Ohio	100, 381	298, 841	399, 222	947, 549
18	Pennsylvania	206, 503	1, 218, 024	1, 424, 527	566, 310
19	Rhode Island	7, 152	50, 201	57, 353	658, 419
20	South Carolina		39, 645	39, 645	
21	Vermont	16, 515	218, 063	234, 578	
22	Virginia	2, 973	1, 890	4, 863	94, 374
23	Wisconsin	14, 124	241	14, 365	258, 594
	CLASS 4.				
	Total	281, 362	210, 100	491, 462	
1	Connecticut	400		400	
2	Delaware		52	52	
3	Illinois	1, 888	2, 382	4, 270	
4	Indiana	2, 806	467	3, 273	
5	Iowa	1, 368	780	2, 148	
6	Kentucky	120		120	
7	Maine	16, 055	30, 228	46, 283	
8	Maryland	2, 950	14, 152	17, 102	
9	Massachusetts	1, 139	2, 334	3, 473	
10	Michigan	47, 338	42, 691	90, 029	
11	Minnesota				
12	Missouri	206		206	
13	Nebraska				
14	New Hampshire	8, 731	18, 366	27, 097	
15	New Jersey	27, 166	22, 009	49, 175	
16	New York	3, 376	260	3, 636	
17	Ohio	442	3, 535	3, 977	
18	Pennsylvania	150, 391	67, 298	217, 689	
19	Rhode Island		1, 488	1, 488	
20	Vermont	7, 000		7, 000	
21	Virginia	2, 916	450	3, 366	
22	West Virginia		887	887	
23	Wisconsin	7, 070	2, 721	9, 791	

marine insurance companies December 31, 1879—Continued.

LIABILITIES AS TO POLICY HOLDERS.	POLICY HOLDERS' SURPLUS.		STOCKHOLDERS' SURPLUS.	NET ASSETS.	
Totals of cash and contingent liabilities.	Excess of ledger assets over liabilities as to policy holders.	Capital and scrip liabilities. (b)	Excess of ledger assets over the total of cash, contingent, capital, and scrip liabilities.	Excess of ledger assets over cash liabilities.	
Dollars. 14, 621, 400	*Dollars.* 156, 348, 984	*Dollars.* 141, 730, 516	*Dollars.* c 14, 636, 245	*Dollars.* 164, 479, 485	
302, 809	4, 621, 912	4, 056, 102	565, 810	4, 896, 884	1
17, 908	1, 944, 752	1, 533, 480	411, 272	1, 946, 364	2
18, 063	1, 615, 409	1, 428, 795	186, 614	1, 633, 472	3
202, 837	670, 256	.....	670, 256	776, 578	4
17, 011	1, 012, 485	814, 350	198, 135	1, 024, 286	5
1, 687	324, 623	232, 070	92, 553	324, 623	6
1, 336	454, 005	378, 448	75, 557	454, 005	7
33, 916	606, 186	573, 411	32, 775	640, 102	8
11, 168	134, 287	86, 405	47, 882	144, 005	9
737, 953	3, 925, 190	3, 045, 826	879, 364	4, 010, 135	10
2, 623, 132	14, 051, 318	11, 204, 115	2, 847, 203	16, 487, 366	11
9, 461	15, 129, 547	15, 000, 000	129, 547	15, 129, 547	12
265, 905	3, 350, 320	3, 254, 544	95, 776	3, 569, 031	13
537, 588	5, 717, 771	5, 735, 548	(d)	6, 082, 363	14
5, 118, 577	13, 044, 384	10, 733, 110	2, 311, 274	15, 086, 689	15
2, 250	16, 076	14, 000	2, 076	18, 326	16
1, 346, 771	8, 447, 686	8, 061, 566	386, 120	9, 395, 235	17
1, 990, 837	48, 029, 149	44, 164, 247	3, 864, 902	48, 595, 459	18
715, 772	15, 540, 923	14, 729, 275	811, 648	16, 199, 342	19
39, 645	2, 242, 379	2, 237, 975	4, 404	2, 242, 379	20
234, 578	4, 291, 832	4, 257, 499	34, 333	4, 291, 832	21
99, 237	10, 483, 298	9, 955, 371	527, 927	10, 577, 672	22
272, 959	695, 196	234, 379	460, 817	953, 790	23
491, 462	512, 306, 480	511, 941, 481	e 408, 910	512, 306, 480	
400	125, 651	109, 539	16, 112	125, 651	1
52	1, 510, 588	1, 510, 640	(f)	1, 510, 588	2
4, 270	27, 160, 408	27, 094, 386	66, 022	27, 160, 408	3
3, 273	11, 788, 411	11, 771, 030	17, 381	11, 788, 411	4
2, 148	17, 433, 992	17, 421, 493	12, 499	17, 433, 992	5
120	420, 886	420, 332	554	420, 886	6
46, 283	515, 382	514, 379	1, 003	515, 382	7
17, 102	2, 665, 711	2, 672, 934	(g)	2, 665, 711	8
3, 473	1, 154, 392	1, 148, 738	5, 654	1, 154, 392	9
90, 029	119, 542, 063	119, 515, 619	26, 444	119, 542, 063	10
.....	2, 044, 426	2, 038, 362	6, 064	2, 044, 426	11
206	2, 036, 291	2, 034, 102	2, 189	2, 036, 291	12
.....	31, 048	31, 023	25	31, 048	13
27, 097	485, 044	483, 657	1, 387	485, 044	14
49, 175	23, 173, 426	23, 210, 062	(h)	23, 173, 426	15
3, 636	35, 192, 948	35, 170, 866	22, 082	35, 192, 948	16
3, 977	24, 994, 192	24, 976, 224	17, 968	24, 994, 192	17
217, 689	188, 709, 529	188, 598, 355	111, 174	188, 709, 529	18
1, 488	65, 615	61, 266	4, 349	65, 615	19
7, 000	352, 436	350, 350	2, 086	352, 436	20
3, 366	4, 501, 415	4, 501, 023	392	4, 501, 415	21
887	49, 930	49, 166	764	49, 930	22
9, 791	48, 352, 696	48, 257, 935	94, 761	48, 352, 696	23

TABLE CXIX.—*Liabilities of fire, fire-marine, and*

	States, etc.	CASH LIABILITIES. Amount due for unpaid losses.	Miscellaneous cash liabilities.	Total cash liabilities.	CONTINGENT LIABILITIES. (a) Unearned portion of the gross cash premiums charged on the risks in force, or reinsurance reserve fund.
	SUMMARY. Total	*Dollars.* 10,358,906	*Dollars.* 12,525,268	*Dollars.* 22,884,174	*Dollars.* 48,297,127
1	Alabama	3,425	63,146	66,571	61,793
2	California	79,068	10,403	89,471	771,731
3	Colorado	.....	1,001	1,001	7,163
4	Connecticut	583,330	106,806	690,136	4,453,176
5	Delaware	6,787	37,637	44,424	16,581
6	District of Columbia	150	75	225	77,730
7	Georgia	21,124	83,942	105,066	166,322
8	Illinois	134,506	75,290	209,796	1,004,410
9	Indiana	4,406	1,099	5,505	40,449
10	Iowa	21,395	5,337	26,732	696,767
11	Kentucky	19,413	38,988	58,401	164,510
12	Louisiana	156,576	249,128	405,704	644,773
13	Maine	83,115	54,917	138,032	168,626
14	Maryland	85,861	725,534	811,395	415,081
15	Massachusetts	889,379	138,963	1,028,342	5,829,134
16	Michigan	53,350	42,978	96,328	96,212
17	Minnesota	38,281	11,478	49,759	251,008
18	Mississippi	.....	.....	.....	12,821
19	Missouri	61,500	58,604	120,104	500,008
20	Nebraska	.....	.....	.....	.....
21	Nevada	.....	.....	.....	.....
22	New Hampshire	24,600	18,366	42,966	124,822
23	New Jersey	270,617	370,576	641,193	1,450,211
24	New York	4,484,804	973,829	5,458,633	13,459,987
25	North Carolina	19,603	4,044	23,647	22,965
26	Ohio	254,238	351,357	605,595	1,927,298
27	Pennsylvania	1,246,509	6,941,741	8,188,250	4,661,933
28	Rhode Island	83,068	67,868	150,936	993,587
29	South Carolina	.....	39,645	39,645	.....
30	Tennessee	16,424	9,878	26,302	106,038
31	Texas	5,825	22,786	28,611	27,526
32	Vermont	23,515	218,063	241,578	.....
33	Virginia	112,105	1,002,205	1,114,310	439,261
34	West Virginia	7,919	3,919	11,838	57,142
35	Wisconsin	86,217	9,713	95,930	536,987
36	Insurance companies of foreign countries in United States.	1,481,796	785,952	2,267,748	9,111,075

a Joint-stock fire companies.—Fifty per cent of the gross cash premiums charged on fire risks in force running *one year or less* from date of policy, and *pro rata* of gross premiums charged on fire risks in force running *more* than one year from date of policy. Mutual fire companies, class 3, fifty per cent. of *cash* premiums charged on risks in force. Fifty per cent. of gross premiums charged on inland navigation risks in force. One hundred per cent. of gross premiums charged on marine risks in force.

b Class 1, the amount of paid-up capital stock and outstanding scrip not ordered to be redeemed; class 2, the amount of guarantee fund paid up and outstanding scrip not ordered to be redeemed; classes 3 and 4, the amount of outstanding scrip not ordered to be redeemed, and premiums and de-

marine insurance companies, December 31, 1879—Continued.

LIABILITIES AS TO POLICY HOLDERS.	POLICY HOLDERS' SURPLUS.		STOCKHOLDERS' SURPLUS.	NET ASSETS.	
Totals of cash and contingent liabilities.	Excess of ledger assets over liabilities as to policy holders.	Capital and scrip liabilities. (b)	Excess of ledger assets over the total of cash contingent, capital, and scrip liabilities.	Excess of ledger assets over cash liabilities.	
Dollars. 71, 181, 301	*Dollars.* 821, 090, 255	*Dollars.* 757, 451, 984	*Dollars.* *c e* 63, 699, 959	*Dollars.* 869, 387, 382	
128, 364	1, 352, 691	1, 166, 715	185, 976	1, 414, 484	1
861, 202	2, 921, 331	2, 250, 000	671, 331	3, 693, 062	2
8, 164	200, 261	200, 000	261	207, 424	3
5, 143, 312	18, 281, 530	12, 615, 641	5, 665, 889	22, 734, 706	4
61, 005	3, 791, 426	3, 376, 865	414, 613	3, 898, 007	5
77, 955	3, 156, 750	2, 429, 295	727, 455	3, 234, 480	6
271, 388	1, 126, 285	300, 000	826, 285	1, 292, 607	7
1, 214, 206	30, 630, 171	29, 324, 136	1, 306, 035	31, 634, 581	8
45, 954	12, 743, 070	12, 514, 000	229, 070	12, 783, 519	9
723, 499	18, 859, 827	18, 429, 941	429, 886	19, 556, 594	10
222, 911	2, 326, 211	2, 193, 743	132, 468	2, 490, 721	11
1, 050, 477	5, 734, 120	5, 572, 200	161, 920	6, 378, 893	12
306, 658	1, 394, 221	1, 040, 784	353, 437	1, 562, 847	13
1, 226, 476	10, 633, 402	8, 429, 315	2, 241, 310	11, 048, 483	14
6, 857, 476	28, 088, 439	21, 616, 744	6, 471, 695	33, 917, 573	15
192, 540	120, 305, 895	119, 915, 619	390, 276	120, 402, 107	16
300, 767	17, 740, 348	17, 438, 362	301, 986	17, 991, 356	17
12, 821	233, 342	200, 000	33, 342	246, 163	18
620, 112	6, 759, 261	6, 148, 646	610, 615	7, 259, 269	19
.....	31, 048	31, 023	25	31, 048	20
.....	.....	.....	.....	.....	21
167, 788	882, 177	733, 657	148, 520	1, 006, 999	22
2, 091, 404	36, 144, 550	33, 416, 223	2, 782, 740	37, 594, 761	23
18, 918, 620	90, 594, 999	71, 940, 715	18, 654, 284	104, 054, 986	24
4 6, 612	234, 615	217, 550	17, 065	257, 580	25
2, 532, 893	39, 055, 152	37, 377, 221	1, 677, 931	40, 982, 450	26
12, 850, 183	258, 363, 174	244, 373, 863	13, 989, 311	263, 025, 107	27
1, 144, 523	16, 971, 038	15, 890, 541	1, 080, 497	17, 964, 625	28
39, 645	2, 242, 379	2, 237, 975	4, 404	2, 242, 379	29
132, 340	1, 924, 465	1, 748, 397	176, 068	2, 030, 503	30
56, 137	414, 276	400, 000	14, 276	441, 802	31
241, 578	4, 644, 268	4, 607, 849	36, 419	4, 644, 268	32
1, 553, 571	17, 464, 525	16, 614, 444	850, 081	17, 903, 786	33
68, 980	626, 311	599, 166	27, 145	683, 453	34
632, 917	50, 244, 992	49, 428, 044	816, 948	50, 781, 979	35
11, 378, 823	14, 973, 705	*i* 12, 673, 310	2, 300, 395	24, 084, 780	36

posit notes, bonds, undertakings, policies subject to assessment, and all other like obligations given by the assured, which constitute the capital of the companies, and is the policy holder's security.

c Total deficiency in class 3, $17,777.

d Deficiency, $17,777.

e Total deficiency in class 4, $43,911.

f Deficiency, $52.

g Deficiency, $7,223.

h Deficiency, $36,636.

i The gross assets held by trustees or deposited with state departments, less the amount of liabilities.

TABLE CXX.—*Income and expenditures of fire, fire-marine,*

	States, etc.	CASH INCOME. Cash received for premiums. Net amount of fire premiums and assessments received in cash.	Net amount of marine and inland premiums received in cash.	Total amount of premiums and assessments received in cash.	Amount of cash received from investments.	Amount of cash received from increased capital and calls on capital.	Amount of cash received from miscellaneous sources.	Total amount of cash income and receipts during the year.
	CLASS 1.							
	Total	*Dollars.* 57,781,748	*Dollars.* 10,454,321	*Dollars.* 68,236,069	*Dollars.* 9,640,033	*Dollars.* 788,022	*Dollars.* 791,734	*Dollars.* 79,455,858
1	Alabama	176,825	87,951	264,776	83,559	.....	12,463	360,798
2	California	1,233,288	304,529	1,537,817	230,773	.....	902	1,769,492
3	Colorado	14,325	.....	14,325	.....	20,000	.....	34,325
4	Connecticut	6,169,152	171,788	6,340,940	934,425	.....	1,613	7,276,978
5	Delaware	29,233	.....	29,233	4,625	.....	.....	33,858
6	District of Columbia	117,526	.....	117,526	80,318	.....	23,069	220,913
7	Georgia	108,392	.....	108,392	34,914	.....	2,381	145,687
8	Illinois	1,323,551	17,016	1,340,567	207,306	21,160	26,880	1,595,913
9	Indiana	54,532	6,928	61,460	39,326	.....	1,210	101,996
10	Iowa	129,994	.....	129,994	49,533	25,000	6,750	211,277
11	Kentucky	165,552	56,697	222,249	72,238	25,000	9,243	328,730
12	Louisiana	2,047,285	827,218	2,874,503	311,197	13,538	208,443	3,407,681
13	Maine	.....	216,905	216,905	28,761	.....	.....	245,666
14	Maryland	627,609	31,123	658,732	219,483	.....	8,439	886,654
15	Massachusetts	2,784,949	1,321,605	4,106,554	597,066	.....	6,127	4,709,687
16	Michigan	111,624	21,352	132,976	60,103	.....	3,869	196,948
17	Minnesota	401,196	97,730	498,926	60,999	.....	.....	559,925
18	Mississippi	31,244	249	31,493	7,877	.....	.....	39,370
19	Missouri	494,263	28,873	523,136	92,757	.....	939	616,832
20	Nevada	.....	.....	.....	.....	.....	.....	.....
21	New Hampshire	206,516	.....	206,516	27,408	.....	.....	233,924
22	New Jersey	1,864,728	27,683	1,892,411	439,229	.....	10,528	2,342,168
23	New York	17,077,963	1,947,895	19,025,858	2,815,011	200,000	101,725	22,142,594
24	North Carolina	28,686	.....	28,686	15,376	.....	1,976	46,038
25	Ohio	1,239,650	265,953	1,505,603	342,551	.....	24,756	1,872,910
26	Pennsylvania	5,542,104	2,692,427	8,234,531	1,512,898	403,849	99,713	10,250,991
27	Rhode Island	428,540	192,472	621,012	80,409	.....	.....	701,421
28	Tennessee	183,252	47,804	231,056	84,895	.....	15,427	331,378
29	Texas	60,390	1,922	62,312	16,715	.....	4,506	83,533
30	Vermont	.....	.....	.....	.....	.....	.....	.....
31	Virginia	563,463	19,036	582,499	203,966	4,494	5,200	796,159
32	West Virginia	80,946	5,260	86,206	20,541	10,000	6,325	123,072
33	Wisconsin	362,646	78,577	441,223	79,388	39,981	482	561,074
34	Ins. cos. of foreign countries in U. S.	14,122,324	1,985,328	16,107,652	886,446	25,000	208,768	17,227,866
	CLASS 2.							
	Total	221,852	350,454	572,306	113,197	.....	2,928	688,431
1	Massachusetts	195,681	350,454	546,135	109,261	.....	283	655,679
2	Pennsylvania	1,994	.....	1,994	.....	.....	1,946	3,9[illegible]
3	Tennessee	.....	.....	.....	.....	.....	.....	.....
4	Wisconsin	24,177	.....	24,177	3,936	.....	699	28,[illegible]72

and marine insurance companies during the year 1879.

CASH EXPENDITURES.							
Cash paid for losses.							
Net amount paid in cash for fire losses.	Net amount paid in cash for marine and inland losses.	Total amount paid in cash for losses.	Amount of stockholders' dividends paid in cash and (mutual companies) cash returned as profits or surplus.	Amount paid in cash on account of expense.	Amount of miscellaneous cash expenditures.	Total amount of expenditures in cash during the year.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
33, 638, 400	7, 125, 967	40, 764, 367	9, 341, 001	23, 241, 879	1, 275, 038	74, 622, 285	
56, 648	45, 787	102, 435	77, 270	86, 718	19, 560	285, 983	1
629, 127	189, 938	819, 065	328, 722	502, 208	86, 624	1, 736, 619	2
164	.....	164	.....	6, 336	.....	6, 500	3
3, 667, 094	105, 088	3, 772, 182	1, 327, 000	2, 031, 477	.....	7, 130, 659	4
30, 477	.....	30, 477	.....	21, 421	357	52, 255	5
25, 144	.....	25, 144	102, 080	52, 662	.....	179, 886	6
55, 934	.....	55, 934	19, 860	43, 045	.....	118, 839	7
625, 968	8, 642	634, 610	200, 643	598, 208	31, 973	1, 465, 434	8
30, 492	2, 043	32, 535	39, 588	35, 652	.....	107, 775	9
139, 733	.....	139, 733	47, 844	222, 729	.....	410, 306	10
83, 412	20, 499	103, 911	91, 526	81, 822	2, 718	279, 977	11
657, 310	473, 236	1, 130, 546	543, 792	515, 796	151, 425	2, 341, 559	12
.....	128, 447	128, 447	78, 898	28, 644	.....	235, 989	13
301, 934	10, 856	312, 790	302, 516	231, 779	21, 467	868, 552	14
1, 938, 533	921, 153	2, 859, 686	531, 907	1, 322, 945	.....	4, 714, 538	15
49, 403	8, 254	57, 657	37, 000	60, 295	1, 019	155, 971	16
287, 350	85, 945	373, 295	40, 000	143, 980	.....	557, 275	17
25, 448	1, 773	27, 221	.....	13, 258	1, 638	42, 167	18
334, 228	16, 425	350, 653	72, 700	198, 267	10, 236	631, 856	19
.....	.....	.....	.....	.....	.....	.....	20
128, 085	.....	128, 085	20, 000	65, 227	.....	213, 312	21
1, 165, 744	26, 346	1, 192, 090	378, 660	722, 494	45, 478	2, 338, 722	22
9, 785, 827	1, 803, 336	11, 589, 163	2, 798, 537	8, 128, 863	35, 653	22, 552, 156	23
17, 143	.....	17, 143	.....	14, 314	18, 077	49, 534	24
835, 301	160, 307	995, 608	346, 287	546, 048	46, 345	1, 934, 288	25
2, 901, 432	2, 204, 070	5, 105, 502	1, 582, 318	2, 517, 402	269, 541	9, 474, 763	26
235, 636	135, 208	370, 844	59, 981	203, 112	4, 061	637, 998	27
125, 140	9, 837	134, 977	64, 500	103, 914	.....	303, 391	28
45, 983	.....	45, 983	.....	26, 382	.....	72, 365	29
.....	.....	.....	.....	.....	.....	.....	30
461, 212	1, 977	463, 189	143, 339	250, 400	11, 021	867, 949	31
47, 528	15, 496	63, 024	24, 993	28, 579	1, 700	118, 296	32
200, 026	45, 869	245, 895	81, 040	148, 301	.....	475, 236	33
8, 750, 944	705, 435	9, 456, 379	.....	4, 289, 661	516, 095	14, 262, 135	34
167, 200	275, 839	443, 039	95, 660	179, 212	311	718, 222	
123, 496	275, 839	399, 335	92, 660	165, 385	300	657, 680	1
409	.....	409	.....	948	11	1, 368	2
.....	.....	.....	.....	.....	.....	.....	3
43, 295	.....	43, 295	3, 000	12, 879	.....	59, 174	4

TABLE CXX.—*Income and expenditures of fire, fire-marine, and*

	States, etc.	CASH INCOME.						
		Cash received for premiums.			Amount of cash received from investments.	Amount of cash received from increased capital and calls on capital.	Amount of cash received from miscellaneous sources.	Total amount of cash income and receipts during the year.
		Net amount of fire premiums and assessments received in cash.	Net amount of marine and inland premiums received in cash.	Total amount of premiums and assessments received in cash.				
	CLASS 3.							
	Total	*Dollars.* 6,581,724	*Dollars.* 5,232,388	*Dollars.* 11,814,112	*Dollars.* 1,866,362	.....	*Dollars.* 327,672	*Dollars.* 14,008,146
1	Connecticut	145,222	.....	145,222	46,414	.....	5,061	196,697
2	Delaware	67,045	.....	67,045	17,613	.....	410	85,098
3	District of Columbia	30,076	.....	30,076	8,125	.....	212	38,413
4	Georgia	212,645	.....	212,645	56,844	.....	521	270,010
5	Illinois	121,571	.....	121,571	1,020	.....	49	122,640
6	Indiana	18,906	.....	18,906	2,873	.....	.....	21,779
7	Iowa	55,020	.....	55,020	1,032	.....	1,746	57,798
8	Kentucky	18,899	.....	18,899	2,936	.....	1,406	23,241
9	Maine	17,625	1,045	18,670	3,068	.....	53	21,791
10	Maryland	157,620	.....	157,620	85,696	.....	4,573	247,889
11	Massachusetts	1,660,008	289,961	1,949,969	332,659	.....	100,709	2,383,337
12	Minnesota	31,142	.....	31,142	2,867	.....	.....	34,009
13	Missouri	228,380	609	228,989	18,748	.....	3,214	250,951
14	New Jersey	247,384	89,515	336,899	18,577	.....	7,832	363,308
15	New York	158,234	4,851,258	5,009,492	780,375	.....	23,340	5,813,207
16	North Carolina	2,968	.....	2,968	.....	.....	1,412	4,380
17	Ohio	684,302	.....	684,302	79,273	.....	27,535	791,110
18	Pennsylvania	1,166,604	.....	1,166,604	269,152	.....	121,371	1,557,127
19	Rhode Island	1,009,588	.....	1,009,588	66,547	.....	130	1,076,265
20	South Carolina	8,081	.....	8,081	2,604	.....	.....	10,685
21	Vermont	223,542	.....	223,542	1,036	.....	2,228	226,806
22	Virginia	67,798	.....	67,798	33,357	.....	25,620	126,775
23	Wisconsin	249,064	.....	249,064	35,546	.....	220	284,830
	CLASS 4.							
	Total	1,178,276	.....	1,178,276	.....	.....	256,268	1,434,544
1	Connecticut	1,902	.....	1,902	.....	.....	891	2,793
2	Delaware	860	.....	860	.....	.....	446	1,306
3	Illinois	42,594	.....	42,594	.....	.....	14,965	57,559
4	Indiana	16,309	.....	16,309	.....	.....	3,761	20,070
5	Iowa	48,323	.....	48,323	.....	.....	6,534	54,857
6	Kentucky	142	.....	142	.....	.....	62	204
7	Maine	22,072	.....	22,072	.....	.....	67,422	89,494
8	Maryland	14,126	.....	14,126	.....	.....	9,921	24,047
9	Massachusetts	22,315	.....	22,315	.....	.....	2,444	24,759
10	Michigan	221,180	.....	221,180	.....	.....	48,159	269,339
11	Minnesota	4,349	.....	4,349	.....	.....	810	5,159
12	Missouri	7,477	.....	7,477	.....	.....	729	8,206
13	Nebraska	.....	.....	.....	.....	.....	24	24
14	New Hampshire	32,622	.....	32,622	.....	.....	6,293	38,915
15	New Jersey	100,695	.....	100,695	.....	.....	9,921	110,616
16	New York	45,071	.....	45,071	.....	.....	4,683	49,754
17	Ohio	31,789	.....	31,789	.....	.....	8,401	40,190
18	Pennsylvania	463,787	.....	463,787	.....	.....	56,548	520,335
19	Rhode Island	651	.....	651	.....	.....	.....	651
20	Vermont	5,525	.....	5,525	.....	.....	221	5,746
21	Virginia	11,147	.....	11,147	.....	.....	386	11,533
22	West Virginia	1,256	.....	1,256	.....	.....	62	1,318
23	Wisconsin	84,084	.....	84,084	.....	.....	13,585	97,669

marine insurance companies during the year 1879—Continued.

CASH EXPENDITURES.							
Cash paid for losses.							
Net amount paid in cash for fire losses.	Net amount paid in cash for marine and inland losses.	Total amount paid in cash for losses.	Amount of stockholders' dividends paid in cash and (mutual companies) cash returned as profits or surplus.	Amount paid in cash on account of expense.	Amount of miscellaneous cash expenditures.	Total amount of expenditures in cash during the year.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
3,066,674	3,149,939	6,216,613	4,846,457	2,364,546	306,184	13,933,800	
86,648	.....	86,648	806	63,861	8,908	160,223	1
25,179	.....	25,179	9,297	15,413	10,893	60,782	2
10,089	.....	10,089	.....	13,554	5,190	28,833	3
44,153	.....	44,153	123,773	52,013	.....	219,939	4
34,574	.....	34,574	.....	30,744	.....	65,318	5
12,704	.....	12,704	.....	8,520	481	21,705	6
39,937	.....	39,937	718	24,670	190	65,515	7
7,390	.....	7,390	.....	10,650	358	18,398	8
18,769	579	19,348	.....	6,331	310	25,989	9
104,418	.....	104,418	12,407	34,437	28,249	179,511	10
508,661	200,087	708,748	1,298,227	365,583	15,389	2,387,947	11
14,275	.....	14,275	.....	12,808	.....	27,083	12
105,351	1,036	106,387	.....	122,557	2,309	231,253	13
170,414	88,939	259,353	3,409	72,169	7,836	342,767	14
109,544	2,859,298	2,968,842	2,680,829	796,377	1,834	6,447,882	15
506	.....	506	.....	1,356	.....	1,862	16
418,292	.....	418,292	11,471	246,307	23,411	699,481	17
799,938	.....	799,938	3,931	399,333	194,309	1,397,511	18
146,995	.....	146,995	701,589	115,918	2,489	966,991	19
8,571	.....	8,571	.....	3,151	1,288	13,010	20
195,970	.....	195,970	.....	51,654	1,552	249,176	21
36,196	.....	36,196	.....	17,841	.....	54,037	22
168,100	.....	168,100	.....	99,299	1,188	268,587	23
1,014,966	.....	1,014,966	.....	336,306	73,655	1,424,927	
973	.....	973	.....	482	5,454	6,909	1
860	.....	860	.....	843	.....	1,703	2
38,279	.....	38,279	.....	17,336	.....	55,615	3
11,328	.....	11,328	.....	3,694	.....	15,022	4
43,826	.....	43,826	.....	9,800	.....	53,626	5
.....	.....	.....	.....	60	.....	60	6
34,193	.....	34,193	.....	14,785	42,094	91,072	7
14,079	.....	14,079	.....	10,557	.....	24,636	8
9,183	.....	9,183	.....	6,326	.....	15,509	9
177,044	.....	177,044	.....	82,896	.....	259,940	10
1,537	.....	1,537	.....	1,106	1,500	4,143	11
3,559	.....	3,559	.....	2,157	.....	5,716	12
.....	.....	.....	.....	29	.....	29	13
19,242	.....	19,242	.....	5,297	10,236	34,775	14
88,253	.....	88,253	.....	23,029	5,059	116,341	15
36,543	.....	36,543	.....	10,689	.....	47,232	16
25,346	.....	25,346	.....	10,183	.....	35,529	17
427,197	.....	427,197	.....	113,641	.....	540,838	18
23	.....	23	.....	267	.....	290	19
4,324	.....	4,324	.....	1,254	.....	5,578	20
10,296	.....	10,296	.....	1,382	.....	11,678	21
520	.....	520	.....	471	.....	991	22
68,361	.....	68,361	.....	20,022	9,312	97,695	23

TABLE CXX.—*Income and expenditures of fire, fire-marine, and*

	States, etc.	CASH INCOME.						
		Cash received for premiums.			Amount of cash received from investments.	Amount of cash received from increased capital and calls on capital.	Amount of cash received from miscellaneous sources.	Total amount of cash income and receipts during the year.
		Net amount of fire premiums and assessments received in cash.	Net amount of marine and inland premiums received in cash.	Total amount of premiums and assessments received in cash.				
	SUMMARY.							
	Total	*Dollars.* 65,763,600	*Dollars.* 16,037,163	*Dollars.* 81,800,763	*Dollars.* 11,619,592	*Dollars.* 788,022	*Dollars.* 1,378,602	*Dollars.* 95,586,979
1	Alabama	176,825	87,951	264,776	83,559	.....	12,463	360,798
2	California	1,233,288	304,529	1,537,817	230,773	.....	902	1,769,492
3	Colorado	14,325	.....	14,325	.....	20,000	.....	34,325
4	Connecticut	6,316,276	171,788	6,488,064	980,839	.....	7,565	7,476,468
5	Delaware	97,138	.....	97,138	22,238	.....	886	120,262
6	District of Columbia	147,602	.....	147,602	88,443	.....	23,281	259,326
7	Georgia	321,037	.....	321,037	91,758	.....	2,902	415,697
8	Illinois	1,487,716	17,016	1,504,732	208,326	21,160	41,894	1,776,112
9	Indiana	89,747	6,928	96,675	42,199	.....	4,971	143,845
10	Iowa	233,337	.....	233,337	50,565	25,000	15,030	323,932
11	Kentucky	184,593	56,697	241,290	75,174	25,000	10,711	352,175
12	Louisiana	2,047,285	827,218	2,874,503	311,197	13,538	208,443	3,407,681
13	Maine	39,697	217,950	257,647	31,829	.....	67,475	356,951
14	Maryland	799,355	31,123	830,378	305,179	.....	22,933	1,158,590
15	Massachusetts	4,662,953	1,962,020	6,625,073	1,038,926	.....	109,563	7,773,462
16	Michigan	332,804	21,352	354,156	60,103	.....	52,028	466,287
17	Minnesota	436,687	97,730	534,417	63,866	.....	810	599,093
18	Mississippi	31,244	249	31,493	7,877	.....	.....	39,370
19	Missouri	730,120	29,482	759,602	111,505	.....	4,882	875,989
20	Nebraska	.....	.....	.....	.....	.....	24	24
21	Nevada	.....	.....	.....	.....	.....	.....	.....
22	New Hampshire	239,138	.....	239,138	27,408	.....	6,293	272,839
23	New Jersey	2,212,807	117,198	2,330,005	457,806	.....	28,281	2,816,092
24	New York	17,281,268	6,799,153	24,080,421	3,595,386	200,000	129,748	28,005,555
25	North Carolina	31,654	.....	31,654	15,376	.....	3,388	50,418
26	Ohio	1,955,741	265,953	2,221,694	421,824	.....	60,692	2,704,210
27	Pennsylvania	7,174,489	2,692,427	9,866,916	1,782,050	403,849	279,578	12,332,393
28	Rhode Island	1,438,779	192,472	1,631,251	146,956	.....	130	1,778,337
29	South Carolina	8,081	.....	8,081	2,604	.....	.....	10,685
30	Tennessee	183,252	47,804	231,056	84,895	.....	15,427	331,378
31	Texas	60,390	1,922	62,312	16,715	.....	4,506	83,533
32	Vermont	229,067	.....	229,067	1,036	.....	2,449	232,552
33	Virginia	642,408	19,036	661,444	237,323	4,494	31,206	934,467
34	West Virginia	82,202	5,260	87,462	20,541	10,000	6,387	124,390
35	Wisconsin	719,971	78,577	798,548	118,870	39,981	14,986	972,385
36	Ins. cos. of foreign countries in U. S.	14,122,324	1,985,328	16,107,652	886,446	25,000	208,768	17,227,866

marine insurance companies during the year 1879—Continued.

CASH EXPENDITURES.							
Cash paid for losses.							
Net amount paid in cash for fire losses.	Net amount paid in cash for marine and inland losses.	Total amount paid in cash for losses.	Amount of stockholders' dividends paid in cash and (mutual companies) cash returned as profits or surplus.	Amount paid in cash on account of expense.	Amount of miscellaneous cash expenditures.	Total amount of expenditures in cash during the year.	
Dollars. 37, 887, 240	*Dollars.* 10, 551, 745	*Dollars.* 48, 438, 985	*Dollars.* 14, 283, 118	*Dollars.* 26, 321, 943	*Dollars.* 1, 655, 188	*Dollars.* 90, 699, 234	
56, 648	45, 787	102, 435	77, 270	86, 718	19, 560	285, 983	1
629, 127	189, 938	819, 065	328, 722	502. 208	86, 624	1, 736, 619	2
164	.....	164	.....	6, 336	.....	6, 500	3
3, 754, 715	105, 088	3, 859, 803	1, 327, 806	2, 095, 820	14, 362	7, 297, 791	4
56, 516	.....	56, 516	9, 297	37, 677	11, 250	114, 740	5
35, 233	.....	35, 233	102, 080	66, 216	5, 190	208, 719	6
100, 087	.....	100, 087	143, 633	95, 058	.....	338, 778	7
698, 821	8, 642	707, 463	200, 643	646, 288	31, 973	1, 586, 367	8
54, 524	2, 043	56, 567	39, 588	47, 866	481	144, 502	9
223, 496	.....	223, 496	48, 562	257, 199	190	529, 447	10
90, 802	20, 499	111, 301	91, 526	92, 532	3, 076	298, 435	11
657, 310	473, 236	1, 130, 546	543, 792	515, 796	151, 425	2, 341, 559	12
52, 962	129, 026	181, 988	78, 898	49, 760	42, 404	353, 050	13
420, 431	10, 856	431, 287	314, 923	276, 773	49, 716	1, 072, 699	14
2, 579, 873	1, 397, 079	3, 976, 952	1, 922, 794	1, 860, 239	15, 689	7, 775, 674	15
226, 447	8, 254	234, 701	37, 000	143, 191	1, 019	415, 911	16
303, 162	85, 945	389, 107	40, 000	157, 894	1, 500	588, 501	17
25, 448	1, 773	27, 221	.....	13, 258	1, 688	42, 167	18
443, 138	17, 461	460, 599	72, 700	322, 981	12, 545	868, 825	19
.....	.....	.....	.....	29	.....	29	20
.....	.....	.....	.....	.....	.....	.....	21
147, 327	.....	147, 327	20, 000	70, 524	10, 236	248, 087	22
1, 424, 411	115, 285	1, 539, 696	382, 069	817, 692	58, 373	2, 797, 830	23
9, 931, 914	4, 662, 634	14, 594, 548	5. 479, 366	8, 935, 869	37, 487	29, 047, 270	24
17, 649	.....	17, 649	.....	15, 670	18, 077	51, 396	25
1, 278, 939	160, 307	1, 439, 246	357, 758	802, 538	69, 756	2, 669, 298	26
4, 128, 976	2, 204, 070	6, 333, 046	1, 586, 249	3, 031, 324	463, 861	11, 414, 480	27
382, 654	135, 208	517, 862	761, 570	319, 297	6, 550	1, 605, 279	28
8, 571	.....	8, 571	.....	3, 151	1, 288	13, 010	29
125, 140	9, 837	134, 977	64, 500	103, 914	.....	303, 391	30
45, 983	.....	45, 983	.....	26, 382	.....	72, 365	31
200, 294	.....	200, 294	.....	52, 908	1, 552	254, 754	32
507, 704	1, 977	509, 681	143, 339	269, 623	11, 021	933, 664	33
48, 048	15, 496	63, 544	24, 993	29, 950	1, 700	119, 287	34
479, 782	45, 869	525, 651	84, 040	280, 501	10, 500	900, 692	35
8, 750, 944	705, 435	9, 456, 379	.....	4, 289, 661	516, 095	14, 262, 135	36

TABLE CXXI.—*Surpluses and deficiencies of fire, fire-marine,*

	State, etc.	Surplus or deficiency as to policy holders.				Surplus or deficiency in paid-up capital.			
		Companies having an excess of ledger assets over cash and contingent liabilities.		Companies having a deficit as between ledger assets and cash and contingent liabilities.		Companies having an excess of ledger assets over cash, contingent, and capital liabilities.		Companies having a deficit as between ledger assets and cash, contingent, and capital liabilities.	
		Number of companies.	Amount of excess of assets.	Number of companies.	Amount of deficit in assets.	Number of companies.	Amount of excess of assets.	Number of companies.	Amount of deficit in assets.
	CLASS 1.								
	Total	387	*Dollars.* 149,121,533	32	*Dollars.* 479,951	359	*Dollars.* 50,383,965	60	*Dollars.* 1,158,487
1	Alabama	10	1,352,691			8	206,866	2	20,890
2	California	8	2,921,331			8	671,331		
3	Colorado	2	200,261			2	261		
4	Connecticut	12	13,533,967			12	5,083,967		
5	Delaware	2	336,086			1	3,341	1	9,436
6	Dist. of Columbia	8	1,541,341			8	540,841		
7	Georgia	1	456,029			1	156,029		
8	Illinois	8	2,457,278			8	1,041,878		
9	Indiana	5	630,036			4	120,590	1	1,454
10	Iowa	5	971,830			3	354,762	2	12,932
11	Kentucky	10	1,299,139			9	208,579	1	109,440
12	Louisiana	15	5,734,120			12	498,137	3	336,217
13	Maine	4	744,552			4	304,552		
14	Maryland	13	4,042,501			13	1,331,946		
15	Massachusetts	27	10,191,951			24	2,878,033	3	15,082
16	Michigan	2	763,832			2	363,832		
17	Minnesota	1	566,375			1	166,375		
18	Mississippi	1	233,342			1	33,342		
19	Missouri	5	1,372,650			4	527,512	1	14,892
20	Nevada								
21	New Hampshire	1	397,133			1	147,133		
22	New Jersey	22	7,253,353			22	2,807,523		
23	New York	84	42,357,667			83	17,225,714	1	37,147
24	North Carolina	2	218,539			1	44,208	1	29,219
25	Ohio	32	5,613,274			28	1,313,275	4	39,432
26	Pennsylvania	47	21,128,938			46	10,497,766	1	14,034
27	Rhode Island	5	1,364,500			5	264,500		
28	Tennessee	11	1,924,463			10	177,336	1	1,268
29	Texas	2	414,276			1	16,218	1	2,542
30	Vermont								
31	Virginia	12	2,479,812			10	336,791	2	15,029
32	West Virginia	5	576,381			3	43,135	2	16,754
33	Wisconsin	3	1,070,178			3	234,448		
34	Ins. cos. of foreign countries in U. S. (*a*)	22	14,973,705	32	479,951	21	2,783,114	33	482,719
	CLASS 2.								
	Total	9	3,245,563			7	1,486,919	2	13,556
1	Massachusetts	7	2,623,083			5	1,014,439	2	13,556
2	Pennsylvania	1	495,558			1	445,558		
3	Tennessee								
4	Wisconsin	1	126,922			1	26,922		

a See note on page 1486.

and marine insurance companies, December 31, 1879.

Surplus or deficiency in outstanding scrip not ordered to be redeemed.						Surplus or deficiency as between cash assets and cash liabilities. (Mutual companies.)				
Number of companies having a scrip liability.	Number of companies not having a scrip liability.	Companies having an excess of ledger assets over cash, contingent, capital, and scrip liabilities.		Companies having a deficit as between ledger assets and cash, contingent, capital, and scrip liabilities.		Companies having an excess of cash assets over cash liabilities.		Companies having a deficit as between cash assets and cash liabilities.		
		Number of companies.	Amount of excess of assets.	Number of companies.	Amount of deficit in assets.	Number of companies	Amount of excess in cash assets.	Number of companies.	Amount of deficit in cash assets.	
			Dollars.		*Dollars.*		*Dollars.*		*Dollars.*	
8	411	359	48,575,488	60	1,158,487	.....	.....	.....	.....	
.....	10	8	206,866	2	20,890	.....	.....	.....	.....	1
.....	8	8	671,331	.....	.....	.....	.....	.....	.....	2
.....	2	2	261	.....	.....	.....	.....	.....	.....	3
.....	12	12	5,083,967	.....	.....	.....	.....	.....	.....	4
.....	2	1	3,341	1	9,436	.....	.....	.....	.....	5
.....	8	8	540,841	.....	.....	.....	.....	.....	.....	6
.....	1	1	156,029	.....	.....	.....	.....	.....	.....	7
.....	8	8	1,041,878	.....	.....	.....	.....	.....	.....	8
.....	5	4	120,590	1	1,454	.....	.....	.....	.....	9
.....	5	3	354,762	2	12,932	.....	.....	.....	.....	10
.....	10	9	208,579	1	109,440	.....	.....	.....	.....	11
.....	15	12	498,137	3	336,217	.....	.....	.....	.....	12
.....	4	4	304,552	.....	.....	.....	.....	.....	.....	13
.....	13	13	1,331,946	.....	.....	.....	.....	.....	.....	14
.....	27	24	2,878,033	3	15,082	.....	.....	.....	.....	15
.....	2	2	363,832	.....	.....	.....	.....	.....	.....	16
.....	1	1	166,375	.....	.....	.....	.....	.....	.....	17
.....	1	1	33,342	.....	.....	.....	.....	.....	.....	18
.....	5	4	527,542	1	14,892	.....	.....	.....	.....	19
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20
.....	1	1	147,133	.....	.....	.....	.....	.....	.....	21
1	21	22	2,782,740	.....	.....	.....	.....	.....	.....	22
6	78	83	16,358,075	1	37,147	.....	.....	.....	.....	23
.....	2	1	44,208	1	29,219	.....	.....	.....	.....	24
.....	32	28	1,313,275	4	39,432	.....	.....	.....	.....	25
1	46	46	9,581,711	1	14,034	.....	.....	.....	.....	26
.....	5	5	264,500	.....	.....	.....	.....	.....	.....	27
.....	11	10	177,336	1	1,268	.....	.....	.....	.....	28
.....	2	1	16,818	1	2,542	.....	.....	.....	.....	29
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30
.....	12	10	336,791	2	15,029	.....	.....	.....	.....	31
.....	5	3	43,135	2	16,754	.....	.....	.....	.....	32
.....	3	3	234,448	.....	.....	.....	.....	.....	.....	33
.....	54	21	2,783,114	33	482,719	.....	.....	.....	.....	34
3	6	7	1,174,228	2	13,556	.....	.....	.....	.....	
3	4	5	701,748	2	13,556	.....	.....	.....	.....	1
.....	1	1	445,558	.....	.....	.....	.....	.....	.....	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
.....	1	1	26,922	.....	.....	.....	.....	.....	.....	4

TABLE CXXI.—*Surpluses and deficiencies of fire, fire-marine, and*

	States, etc.	Surplus or deficiency as to policy holders.				Surplus or deficiency in paid-up capital.			
		Companies having an excess of ledger assets over cash and contingent liabilities.		Companies having a deficit as between ledger assets and cash and contingent liabilities.		Companies having an excess of ledger assets over cash, contingent, and capital liabilities.		Companies having a deficit as between ledger assets and cash, contingent, and capital liabilities.	
		Number of companies.	Amount of excess of assets.	Number of companies.	Amount of deficit in assets.	Number of companies.	Amount of excess of assets.	Number of companies.	Amount of deficit in assets.
	CLASS 3.								
	Total	229	*Dollars.* 153,149,539	.....	*Dollars.*	180	*Dollars.* 24,873,293	49	*Dollars.* 618,879
1	Connecticut	12	4,621,912	.....	.....	12	565,810	.....	.....
2	Delaware	4	1,944,752	.....	.....	4	411,272	.....	.....
3	Dist. of Columbia	2	1,615,409	.....	.....	2	186,614	.....	.....
4	Georgia	1	16,718,593	.....	.....	1	670,256	.....	.....
5	Illinois	6	1,012,485	.....	.....	6	198,135	.....	.....
6	Indiana	1	324,623	.....	.....	1	92,553	.....	.....
7	Iowa	2	454,005	.....	.....	2	75,537	.....	.....
8	Kentucky	4	606,186	.....	.....	3	44,731	1	11,956
9	Maine	3	134,287	.....	.....	3	47,882	.....	.....
10	Maryland	13	3,925,190	.....	.....	10	897,261	3	17,897
11	Massachusetts	40	14,051,318	.....	.....	38	3,552,467	2	2,764
12	Minnesota	1	15,129,547	.....	.....	1	129,547	.....	.....
13	Missouri	14	3,350,320	.....	.....	6	211,120	8	115,344
14	New Jersey	21	5,717,771	.....	.....	13	146,941	8	164,718
15	New York	12	13,044,384	.....	.....	11	11,267,065	1	22,346
16	North Carolina	1	16,076	.....	.....	1	2,076	.....	.....
17	Ohio	29	1,346,771	.....	.....	9	598,704	20	212,584
18	Pennsylvania	38	48,029,149	.....	.....	33	3,924,812	5	59,910
19	Rhode Island	16	15,540,923	.....	.....	16	811,648	.....	.....
20	South Carolina	1	4,404	.....	.....	1	4,404	.....	.....
21	Vermont	3	4,291,832	.....	.....	2	45,694	1	11,360
22	Virginia	2	574,406	.....	.....	2	527,927	.....	.....
23	Wisconsin	3	695,196	.....	.....	3	460,817	.....	.....
	CLASS 4.								
	Total	897	518,306,480	.....	.....	781	549,959	116	184,960
1	Connecticut	5	125,651	.....	.....	4	16,313	1	201
2	Delaware	1	1,510,588	.....	.....	.....	.....	1	52
3	Illinois	159	27,160,408	.....	.....	153	66,802	6	780
4	Indiana	49	17,788,411	.....	.....	48	18,381	1	1,000
5	Iowa	67	17,433,992	.....	.....	62	13,651	5	1,152
6	Kentucky	3	420,886	.....	.....	3	554	.....	.....
7	Maine	33	515,382	.....	.....	27	29,974	6	28,971
8	Maryland	5	2,665,711	.....	.....	2	413	3	7,636
9	Massachusetts	8	1,154,392	.....	.....	7	6,538	1	884
10	Michigan	50	119,542,063	.....	.....	35	42,519	15	16,075
11	Minnesota	20	2,044,426	.....	.....	20	6,064	.....	.....
12	Missouri	20	2,036,291	.....	.....	18	2,361	2	172
13	Nebraska	1	31,048	.....	.....	1	25	.....	.....
14	New Hampshire	27	485,044	.....	.....	24	8,518	3	7,131
15	New Jersey	12	23,173,426	.....	.....	4	2,542	8	39,178
16	New York	72	35,192,948	.....	.....	70	23,790	2	1,708
17	Ohio	58	24,994,192	.....	.....	53	18,725	5	757
18	Pennsylvania	145	188,709,529	.....	.....	103	186,842	42	75,668
19	Rhode Island	1	65,615	.....	.....	1	4,349	.....	.....
20	Vermont	2	352,436	.....	.....	2	2,086	.....	.....
21	Virginia	10	4,501,415	.....	.....	8	1,308	2	916
22	West Virginia	2	49,930	.....	.....	2	764	.....	.....
23	Wisconsin	147	48,352,696	.....	.....	134	97,440	13	2,679

marine insurance companies, December 31, 1879—Continued.

SURPLUS OR DEFICIENCY IN OUTSTANDING SCRIP NOT ORDERED TO BE REDEEMED.						SURPLUS OR DEFICIENCY AS BETWEEN CASH ASSETS AND CASH LIABILITIES. (Mutual companies.)				
Number of companies having a scrip liability.	Number of companies not having a scrip liability.	Companies having an excess of ledger assets over cash, contingent, capital, and scrip liabilities.		Companies having a deficit as between ledger assets and cash, contingent, capital, and scrip liabilities.		Companies having an excess of cash assets over cash liabilities.		Companies having a deficit as between cash assets and cash liabilities.		
		Number of companies.	Amount of excess of assets.	Number of companies.	Amount of deficit in assets.	Number of companies.	Amount of excess in cash assets.	Number of companies.	Amount of deficit in cash assets.	
			Dollars.		*Dollars.*		*Dollars.*		*Dollars.*	
6	223	179	15,279,326	50	660,857	180	24,873,293	49	618,879	
.....	12	12	565,810	.....	.....	12	565,810	.....	.....	1
.....	4	4	411,272	.....	.....	4	411,272	.....	.....	2
.....	2	2	186,614	.....	.....	2	186,614	.....	.....	3
.....	1	1	670,256	.....	.....	1	670,256	.....	.....	4
.....	6	6	198,135	.....	.....	6	198,135	.....	.....	5
.....	1	1	92,553	.....	.....	1	92,553	.....	.....	6
.....	2	2	75,557	.....	.....	2	75,557	.....	.....	7
.....	4	3	44,731	1	11,956	3	44,731	1	11,956	8
.....	3	3	47,882	.....	.....	3	47,882	.....	.....	9
.....	13	10	897,261	3	17,897	10	897,261	3	17,897	10
1	39	38	2,849,967	2	2,764	38	3,552,467	2	2,764	11
.....	1	1	129,547	.....	.....	1	129,547	.....	.....	12
.....	14	6	211,120	8	115,344	6	211,120	8	115,344	13
.....	21	13	146,941	8	164,718	13	146,941	8	164,718	14
5	7	10	2,375,598	2	64,324	11	11,267,065	1	22,346	15
.....	1	1	2,076	.....	.....	1	2,076	.....	.....	16
.....	29	9	598,704	20	212,584	9	598,704	20	212,584	17
.....	38	33	3,924,812	5	59,910	33	3,924,812	5	59,910	18
.....	16	16	811,648	.....	.....	16	811,648	.....	.....	19
.....	1	1	4,404	.....	.....	1	4,404	.....	.....	20
.....	3	2	45,694	1	11,360	2	45,694	1	11,360	21
.....	2	2	527,927	.....	.....	2	527,927	.....	.....	22
.....	3	3	460,817	.....	.....	3	460,817	.....	.....	23
.....	897	781	549,959	116	184,960	781	549,959	116	184,960	
.....	5	4	16,313	1	201	4	16,313	1	201	1
.....	1	.....	.....	1	52	.....	.....	1	52	2
.....	159	153	66,802	6	780	153	66,802	6	780	3
.....	49	48	18,381	1	1,000	48	18,381	1	1,000	4
.....	67	62	13,651	5	1,152	62	13,651	5	1,152	5
.....	3	3	554	.....	.....	3	554	.....	.....	6
.....	33	27	29,974	6	28,971	27	29,974	6	28,971	7
.....	5	2	413	3	7,636	2	413	3	7,636	8
.....	8	7	6,538	1	884	7	6,538	1	884	9
.....	50	35	42,519	15	16,075	35	42,519	15	16,075	10
.....	20	20	6,064	.....	.....	20	6,064	.....	.....	11
.....	20	18	2,361	2	172	18	2,361	2	172	12
.....	1	1	25	.....	.....	1	25	.....	.....	13
.....	27	24	8,518	3	7,131	24	8,518	3	7,131	14
.....	12	4	2,542	8	39,178	4	2,542	8	39,178	15
.....	72	70	23,790	2	1,708	70	23,790	2	1,708	16
.....	58	53	18,725	5	757	53	18,725	5	757	17
.....	145	103	186,842	42	75,668	103	186,842	42	75,668	18
.....	1	1	4,349	.....	.....	1	4,349	.....	.....	19
.....	2	2	2,086	.....	.....	2	2,086	.....	.....	20
.....	10	8	1,308	2	916	8	1,308	2	916	21
.....	2	2	764	.....	.....	2	764	.....	.....	22
.....	147	134	97,440	13	2,679	134	97,440	13	2,679	23

TABLE CXXI.—*Surpluses and deficiencies of fire, fire-marine, and*

	States, etc.	SURPLUS OR DEFICIENCY AS TO POLICY HOLDERS.				SURPLUS OR DEFICIENCY IN PAID-UP CAPITAL.			
		Companies having an excess of ledger assets over cash and contingent liabilities.		Companies having a deficit as between ledger assets and cash and contingent liabilities.		Companies having an excess of ledger assets over cash, contingent, and capital liabilities.		Companies having a deficit as between ledger assets and cash, contingent, and capital liabilities.	
		Number of companies.	Amount of excess of assets.	Number of companies.	Amount of deficit in assets.	Number of companies.	Amount of excess of assets.	Number of companies.	Amount of deficit in assets.
	SUMMARY.								
	Total	1,522	*Dollars.* 823,823,115	32	*Dollars.* 479,951	1,327	*Dollars.* 77,294,136	227	*Dollars.* 1,975,882
1	Alabama	10	1,852,691	.....	.....	8	206,866	2	20,890
2	California	8	2,921,331	.....	.....	8	671,331	.....	.....
3	Colorado	2	200,261	.....	.....	2	261	.....	.....
4	Connecticut	29	18,281,540	.....	.....	28	5,666,090	1	201
5	Delaware	7	3,791,426	.....	.....	5	414,613	2	9,488
6	Dist. of Columbia	10	3,156,750	.....	.....	10	727,455	.....	.....
7	Georgia	2	17,174,622	.....	.....	2	826,285	.....	.....
8	Illinois	173	30,630,171	.....	.....	167	1,306,815	6	780
9	Indiana	55	18,743,070	.....	.....	53	231,524	2	2,454
10	Iowa	74	18,859,827	.....	.....	67	443,970	7	14,084
11	Kentucky	17	2,326,211	.....	.....	15	253,864	2	121,396
12	Louisiana	15	5,734,120	.....	.....	12	498,137	3	336,217
13	Maine	40	1,394,221	.....	.....	34	382,408	6	28,971
14	Maryland	31	10,633,402	.....	.....	25	2,229,620	6	25,533
15	Massachusetts	82	28,020,744	.....	.....	74	7,451,477	8	32,286
16	Michigan	52	120,305,895	.....	.....	37	406,351	15	16,075
17	Minnesota	22	17,740,348	.....	.....	22	301,986	.....	.....
18	Mississippi	1	233,342	.....	.....	1	33,342	.....	.....
19	Missouri	39	6,759,261	.....	.....	28	741,023	11	130,408
20	Nebraska	1	31,048	.....	.....	1	25	.....	.....
21	Nevada	.....	.....	.....	.....	.....	.....	.....	.....
22	New Hampshire	28	882,177	.....	.....	25	155,651	3	7,131
23	New Jersey	55	36,144,550	.....	.....	39	2,937,006	16	203,896
24	New York	168	90,594,999	.....	.....	164	28,516,569	4	61,201
25	North Carolina	3	234,615	.....	.....	2	46,284	1	29,219
26	Ohio	119	31,954,237	.....	.....	90	1,930,704	29	252,773
27	Pennsylvania	231	258,363,174	.....	.....	183	15,654,978	48	149,612
28	Rhode Island	22	16,971,038	.....	.....	22	1,080,497	.....	.....
29	South Carolina	1	4,404	.....	.....	1	4,404	.....	.....
30	Tennessee	11	1,924,465	.....	.....	10	177,336	1	1,268
31	Texas	2	414,276	.....	.....	1	16,818	1	2,542
32	Vermont	5	4,644,268	.....	.....	4	47,780	1	11,360
33	Virginia	24	7,555,633	.....	.....	20	866,026	4	15,935
34	West Virginia	7	626,311	.....	.....	5	43,899	2	16,754
35	Wisconsin	154	50,244,992	.....	.....	141	819,627	13	2,679
36	Ins. cos. of foreign countries in U S.(*a*)	22	14,973,705	32	479,951	21	2,783,114	33	482,719

a The deficiency in foreign companies is caused by those having no assets in the United States and doing business through agencies and the agencies of other companies reporting direct to the home office.

marine insurance companies, December 31, 1879—Continued.

SURPLUS OR DEFICIENCY IN OUTSTANDING SCRIP NOT ORDERED TO BE REDEEMED.						SURPLUS OR DEFICIENCY AS BETWEEN CASH ASSETS AND CASH LIABILITIES. (Mutual companies.)				
Number of companies having a scrip liability.	Number of companies not having a scrip liability.	Companies having an excess of ledger assets over cash, contingent, capital, and scrip liabilities.		Companies having a deficit as between ledger assets and cash, contingent, capital, and scrip liabilities.		Companies having an excess of cash assets over cash liabilities.		Companies having a deficit as between cash assets and cash liabilities.		
		Number of companies.	Amount of excess of assets.	Number of companies.	Amount of deficit in assets.	Number of companies.	Amount of excess in cash assets.	Number of companies.	Amount of deficit in cash assets.	
			Dollars.		*Dollars.*		*Dollars.*		*Dollars.*	
17	1,537	1,326	65,579,001	228	2,017,860	961	25,423,252	165	803,839	
.....	10	8	206,866	2	20,890	.....	.....	.....	.....	1
.....	8	8	671,331	.....	.....	.....	.....	.....	.....	2
.....	2	2	261	.....	.....	.....	.....	.....	.....	3
.....	29	28	5,666,090	1	201	16	582,123	1	201	4
.....	7	5	414,613	2	9,488	4	411,272	1	52	5
.....	10	10	727,455	.....	.....	2	186,614	.....	.....	6
.....	2	2	826,285	.....	.....	1	670,256	.....	.....	7
.....	173	167	1,366,815	6	780	159	264,937	6	780	8
.....	55	53	231,524	2	2,454	49	110,934	1	1,000	9
.....	74	67	443,970	7	14,084	64	89,208	5	1,152	10
.....	17	15	253,864	2	121,396	6	45,285	1	11,956	11
.....	15	12	498,137	3	336,217	.....	.....	.....	.....	12
.....	40	34	382,408	6	28,971	30	77,856	6	28,971	13
.....	31	25	2,229,620	6	25,533	12	897,674	6	25,533	14
4	78	74	6,436,286	8	32,286	45	3,559,095	3	3,648	15
.....	52	37	466,351	15	16,075	35	42,519	15	16,075	16
.....	22	22	301,986	.....	.....	21	135,611	.....	.....	17
.....	1	1	33,342	.....	.....	.....	.....	.....	.....	18
.....	39	28	741,023	11	130,408	24	213,481	10	115,516	19
.....	1	1	25	.....	.....	1	25	.....	.....	20
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21
.....	28	25	155,651	3	7,131	24	8,518	3	7,131	22
1	54	39	2,932,223	16	203,896	17	149,483	16	203,896	23
11	157	163	18,757,463	5	103,179	81	11,290,855	3	24,054	24
.....	3	2	46,284	1	29,219	1	2,076	.....	.....	25
.....	119	90	1,930,704	29	252,773	62	617,429	25	213,341	26
1	230	183	14,138,923	48	149,612	136	4,111,654	47	135,578	27
.....	22	22	1,089,497	.....	.....	17	815,997	.....	.....	28
.....	1	1	4,404	.....	.....	1	4,404	.....	.....	29
.....	11	10	177,336	1	1,268	.....	.....	.....	.....	30
.....	2	1	16,818	1	2,542	.....	.....	.....	.....	31
.....	5	4	47,780	1	11,360	4	47,780	1	11,360	32
.....	24	20	866,026	4	15,945	10	529,235	2	916	33
.....	7	5	43,889	2	16,754	2	764	.....	.....	34
.....	154	141	819,627	13	2,679	137	558,257	13	2,679	35
.....	54	21	2,783,114	33	482,719	.....	.....	.....	.....	36

TABLE CXXII.—*Risks written and risks in force of*

	States, etc.	RISKS WRITTEN DURING THE YEAR 1879. Fire risks written.	Premiums charged on fire risks written.	Average rate of fire premium charged on $100.	Marine and inland risks written.
	CLASS 1.				
	Total	*Dollars.* 7,398,272,750	*Dollars.* 64,467,415	*Per cent.* 0.8714	*Dollars.* 1,371,992,665
1	Alabama	24,959,096	253,021	1.0137	.....
2	California	101,589,140	1,429,544	1.4072	16,958,195
3	Colorado	313,820	14,325	4.5647	.....
4	Connecticut	638,345,421	6,648,431	1.0415	35,407,938
5	Delaware	2,510,643	31,285	1.2461	.....
6	District of Columbia	18,297,965	113,394	0.6197	.....
7	Georgia	11,669,582	131,452	1.1264	.....
8	Illinois	178,396,559	1,429,227	0.8388	8,989,060
9	Indiana	4,925,663	53,506	1.0863	179,384
10	Iowa	22,315,825	391,583	1.7547	.....
11	Kentucky	16,622,707	180,403	1.0853	4,815,998
12	Louisiana	173,166,375	2,105,721	1.2160	167,176,327
13	Maine	.....	.....	.....	7,574,789
14	Maryland	112,431,208	583,713	0.5192	5,000,000
15	Massachusetts	319,462,287	3,235,945	1.0129	112,126,944
16	Michigan	12,148,432	122,338	1.0070	3,748,883
17	Minnesota	34,230,234	457,489	1.3365	19,511,827
18	Mississippi	3,149,339	31,493	0.9999	.....
19	Missouri	45,996,286	588,586	1.2796	5,056,826
20	Nevada	.....	.....	.....	.....
21	New Hampshire	17,141,815	171,492	1.0004	.....
22	New Jersey	234,682,778	2,079,445	0.8861	3,527,096
23	New York	2,660,254,367	18,881,872	0.7098	331,879,787
24	North Carolina	1,789,416	28,686	1.6143	.....
25	Ohio	118,498,696	1,352,448	1.1413	18,323,797
26	Pennsylvania	575,968,707	5,845,976	1.0150	328,935,612
27	Rhode Island	53,233,463	476,450	0.8950	40,063,396
28	Tennessee	16,194,623	207,400	1.2807	5,199,645
29	Texas	3,958,786	62,259	1.5727	230,228
30	Vermont	.....	.....	.....	.....
31	Virginia	53,064,531	647,150	1.2199	4,973,989
32	West Virginia	7,261,393	74,364	1.0241	172,207
33	Wisconsin	38,900,684	384,804	0.9892	13,767,679
34	Insurance companies of foreign countries in United States.	1,904,792,909	16,453,613	0.8638	238,373,058
	CLASS 2.				
	Total	25,744,660	240,843	0.9355	21,181,590
1	Massachusetts	23,555,536	210,667	0.8943	21,181,590
2	Pennsylvania	260,444	1,994	0.7658	.....
3	Tennessee	.....	.....	.....	.....
4	Wisconsin	1,928,680	28,182	1.4612	.....

fire, fire-marine, and marine insurance companies.

RISKS WRITTEN DURING THE YEAR 1879—continued.			Losses incurred during the year 1879.	RISKS IN FORCE DECEMBER 31, 1879.		Total amount of risks in force.	
Premiums charged on marine and inland risks written.	Average rate of marine and inland premiums charged on $100.	Total amount of all risks written.		Fire risks in force.	Marine and inland risks in force.		
Dollars.	*Per cent.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
12, 949, 863	0. 9439	8, 770, 265, 415	41, 333, 613	7, 750, 397, 439	140, 996, 311	7, 891, 393, 750	
.....	.....	24, 959, 096	102, 225	9, 010, 827	34, 897	9, 045, 724	1
413, 937	2. 4409	118, 547, 335	730, 035	93, 529, 129	2, 435, 613	95, 964, 742	2
.....	.....	313, 820	164	313, 820	.....	313, 820	3
197, 764	0. 5585	673, 753, 359	3, 680, 761	749, 536, 302	1, 047, 753	750, 584, 055	4
.....	.....	2, 510, 643	26, 767	3, 786, 837	.....	3, 786, 837	5
.....	.....	18, 297, 965	25, 250	23, 156, 444	.....	23, 156, 444	6
.....	.....	11, 669, 582	62, 027	9, 237, 293	.....	9, 237, 293	7
20, 435	0. 2273	179, 385, 619	632, 974	216, 744, 492	.....	216, 744, 492	8
5, 538	3. 0872	5, 105, 047	21, 806	6, 995, 078	.....	6, 995, 078	9
.....	.....	22, 315, 825	136, 958	74, 822, 480	.....	74, 822, 480	10
76, 810	1. 5949	21, 438, 705	176, 669	19, 036, 366	502, 171	19, 538, 537	11
960, 962	0. 5748	340, 342, 702	1, 176, 524	115, 752, 484	4, 774, 914	120, 527, 398	12
258, 584	3. 4137	7, 574, 789	128, 447	.....	2, 868, 706	2, 868, 706	13
42, 281	0. 8456	117, 431, 208	296, 571	112, 518, 175	100, 000	112, 618, 175	14
1, 527, 584	1. 3624	431, 589, 231	3, 038, 131	349, 812, 183	29, 513, 378	379, 325, 561	15
25, 319	0. 6754	15, 897, 315	58, 830	18, 304, 228	23, 500	18, 327, 728	16
107, 392	0. 5504	53, 742, 061	373, 389	38, 652, 159	295, 982	38, 948, 141	17
.....	.....	3, 149, 339	27, 221	2, 564, 296	.....	2, 564, 296	18
33, 490	0. 6623	51, 053, 112	323, 920	37, 075, 306	33, 127	37, 108, 433	19
.....	.....	.....	.....	.....	.....	.....	20
.....	.....	17, 141, 815	120, 457	20, 813, 629	.....	20, 813, 629	21
27, 163	0. 7701	238, 209, 874	1, 204, 699	232, 839, 326	133, 837	232, 973, 163	22
2, 760, 048	0. 8316	2, 992, 134, 154	11, 959, 339	2, 779, 607, 871	25, 009, 046	2, 804, 616, 917	23
.....	.....	1, 789, 416	15, 693	1, 200, 000	.....	1, 200, 000	24
301, 106	1. 6433	136, 822, 493	917, 665	146, 113, 975	1, 739, 058	147, 853, 033	25
3, 316, 476	1. 0082	904, 904, 319	5, 234, 772	841, 075, 575	44, 557, 019	885, 632, 594	26
233, 349	0. 5824	93, 296, 859	345, 229	48, 946, 286	1, 733, 916	50, 680, 202	27
49, 473	0. 9515	21, 394, 268	128, 260	16, 929, 557	25, 000	16, 954, 557	28
2, 231	0. 9690	4, 189, 014	25, 807	2, 010, 837	3, 800	2, 014, 637	29
.....	.....	.....	.....	.....	.....	.....	30
27, 826	0. 5594	58, 038, 520	444, 333	49, 246, 054	3, 000	49, 249, 054	31
3, 944	0. 2290	7, 433, 600	59, 911	10, 864, 322	.....	10, 864, 322	32
89, 543	0. 6504	52, 668, 363	270, 595	39, 594, 494	250, 000	39, 844, 494	33
2, 468, 608	1. 0356	2, 143, 165, 967	9, 588, 184	1, 680, 307, 614	25, 911, 594	1, 706, 219, 208	34
389, 215	1. 8375	46, 926, 250	486, 872	61, 772, 621	15, 393, 146	77, 165, 767	
389, 215	1. 8375	44, 737, 126	442, 752	57, 135, 518	15, 393, 146	72, 528, 664	1
.....	.....	260, 444	409	580, 419	.....	580, 419	2
.....	.....	.....	.....	.....	.....	.....	3
.....	.....	1, 928, 680	43, 711	4, 056, 684	.....	4, 056, 684	4

TABLE CXXII.—*Risks written and risks in force of fire,*

	States, etc.	RISKS WRITTEN DURING THE YEAR 1879.			
		Fire risks written.	Premiums charged on fire risks written.	Average rate of fire premium charged on $100.	Marine and inland risks written.
	CLASS 3.				
	Total	*Dollars.* 602, 136, 228	*Dollars.*	*Per cent.*	*Dollars.* 582, 513, 191
1	Connecticut	21, 989, 781			
2	Delaware	16, 803, 473			
3	District of Columbia	597, 950			
4	Georgia	16, 981, 774			
5	Illinois	2, 940, 571			
6	Indiana	683, 217			
7	Iowa	1, 718, 914			
8	Kentucky	1, 613, 663			
9	Maine	1, 614, 093			157, 879
10	Maryland	6, 276, 058			
11	Massachusetts	159, 968, 121			18, 419, 834
12	Minnesota	3, 198, 868			
13	Missouri	12, 878, 494			750, 000
14	New Jersey	12, 629, 217			1, 630, 613
15	New York	31, 586, 316			561, 554, 865
16	North Carolina	200. 000			
17	Ohio	56, 876. 328			
18	Pennsylvania	105, 654, 265			
19	Rhode Island	118, 407, 296			
20	South Carolina	120, 300			
21	Vermont	8, 784, 817			
22	Virginia	1, 394, 005			
23	Wisconsin	19, 218, 767			
	CLASS 4.				
	Total	113, 299, 438			
1	Connecticut	213, 143			
2	Delaware	168, 265			
3	Illinois	7, 285, 874			
4	Indiana	3, 502, 173			
5	Iowa	3, 514, 188			
6	Kentucky	220, 994			
7	Maine	1, 440, 504			
8	Maryland	1, 275, 713			
9	Massachusetts	2, 034, 761			
10	Michigan	17, 476, 970			
11	Minnesota	540, 334			
12	Missouri	1, 618, 821			
13	Nebraska	14, 218			
14	New Hampshire	2, 060, 676			
15	New Jersey	3, 720, 325			
16	New York	10, 604, 977			
17	Ohio	9, 469, 280			
18	Pennsylvania	32, 908, 254			
19	Rhode Island	104, 055			
20	Vermont	385, 836			
21	Virginia	1, 212, 229			
22	West Virginia	298, 877			
23	Wisconsin	13, 828, 921			

fire-marine, and marine insurance companies—Continued.

RISKS WRITTEN DURING THE YEAR 1879—continued.			Losses incurred during the year 1879.	RISKS IN FORCE DECEMBER 31, 1879.		Total amount of risks in force.	
Premiums charged on marine and inland risks written.	Average rate of marine and inland premiums charged on $100.	Total amount of all risks written.		Fire risks in force.	Marine and inland risks in force.		
Dollars.	*Per cent.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
.....	.....	1, 184, 649, 419	6, 308, 079	1, 487, 972, 256	127, 434, 756	1, 615, 407, 012	
.....	.....	21, 989, 781	87, 493	79, 276, 018	.....	79, 276, 918	1
.....	.....	16, 803, 473	28, 902	20, 778, 522	.....	20, 778, 522	2
.....	.....	597, 950	10, 089	9, 210, 661	.....	9, 210, 661	3
.....	.....	16, 981, 774	63, 117	16, 048, 337	.....	16, 048, 337	4
.....	.....	2, 940, 571	23, 504	7, 859, 441	.....	7, 859, 441	5
.....	.....	683, 217	12, 704	2, 878, 821	.....	2, 878, 821	6
.....	.....	1, 718, 914	39, 937	8, 343, 029	.....	8, 343, 029	7
.....	.....	1, 613, 663	7, 390	11, 854, 618	.....	11, 854, 618	8
.....	.....	1, 771, 972	16, 660	4, 186, 610	.....	4, 186, 610	2
.....	.....	6, 276, 058	105, 630	69, 206, 427	.....	69, 206, 427	10
.....	.....	178, 387, 955	721, 812	340, 344, 235	8, 034, 732	348, 378, 967	11
.....	.....	3, 198, 808	16, 475	15, 000, 000	.....	15, 000, 000	12
.....	.....	13, 628, 494	102, 065	61, 820, 350	.....	61, 820, 350	13
.....	.....	14, 259, 830	250, 108	57, 000, 479	486, 613	57, 487, 092	14
.....	.....	593, 141, 181	3, 149, 241	54, 575, 247	118, 913, 411	173, 488, 658	15
.....	.....	200, 000	506	374, 278	.....	374, 278	16
.....	.....	56, 876, 328	429, 653	244, 613, 990	.....	244, 613, 990	17
.....	.....	105, 654, 265	788, 244	241, 283, 886	.....	241, 283, 886	18
.....	.....	118, 407, 296	98, 356	142, 622, 310	.....	142, 622, 310	19
.....	.....	120, 300	8, 571	2, 237, 975	.....	2, 237, 975	20
.....	.....	8, 784, 817	151, 586	45, 277, 978	.....	45, 277, 978	21
.....	.....	1, 394, 005	31, 669	15, 382, 166	.....	15, 382, 166	22
.....	.....	19, 218, 767	164, 367	37, 796, 878	.....	37, 796, 878	23
.....	.....	113, 299, 438	.....	700, 686, 327	.....	700, 686, 327	
.....	.....	213, 143	.....	1, 705, 267	.....	1, 705, 267	1
.....	.....	168, 265	.....	1, 510, 640	.....	1, 510, 640	2
.....	.....	7, 285, 874	.....	33, 238, 906	.....	33, 238, 906	3
.....	.....	3, 502, 173	.....	12, 477, 503	.....	12, 477, 503	4
.....	.....	3, 514, 188	.....	18, 977, 456	.....	18, 977, 456	5
.....	.....	220, 994	.....	590, 471	.....	590, 471	6
.....	.....	1, 440, 504	.....	11, 148, 912	.....	11, 148, 912	7
.....	.....	1, 275, 713	.....	7, 677, 806	.....	7, 677, 806	8
.....	.....	2, 034, 761	.....	11, 206, 808	.....	11, 206, 808	9
.....	.....	17, 476, 970	.....	121, 067, 757	.....	121, 067, 757	10
.....	.....	540, 384	.....	2, 127, 415	.....	2, 127, 415	11
.....	.....	1, 018, 821	.....	3, 417, 225	.....	3, 417, 225	12
.....	.....	14, 218	.....	31, 023	.....	31, 023	13
.....	.....	2, 060, 676	.....	11, 797, 856	.....	11, 797, 856	14
.....	.....	3, 720, 325	.....	33, 860, 419	.....	33, 860, 419	15
.....	.....	10, 604, 977	.....	43, 368, 179	.....	43, 368, 179	16
.....	.....	9, 469, 280	.....	27, 282, 824	.....	27, 282, 824	17
.....	.....	32, 908, 254	.....	296, 986, 197	.....	296, 986, 197	18
.....	.....	104, 055	.....	621, 768	.....	621, 768	19
.....	.....	385, 836	.....	2, 575, 350	.....	2, 575, 350	20
.....	.....	1, 212, 229	.....	4, 581, 023	.....	4, 581, 023	21
.....	.....	298, 877	.....	452, 877	.....	452, 877	22
.....	.....	13, 828, 921	.....	53, 982, 645	.....	53, 982, 645	23

TABLE CXXII.—*Risks written and risks in force of fire,*

	States, etc.	RISKS WRITTEN DURING THE YEAR 1879.			
		Fire risks written.	Premiums charged on fire risks written.	Average rate of fire premium charged on $100.	Marine and inland risks written.
	SUMMARY.				
	Total	*Dollars.* 8,139,453,076	*Dollars.*	*Per cent.*	*Dollars.* 1,975,687,446
1	Alabama	24,959,096	253,021		
2	California	101,589,140	1,429,544		16,958,195
3	Colorado	313,820	14,325		
4	Connecticut	660,548,345	6,648,431		35,407,938
5	Delaware	19,482,381	31,285		
6	District of Columbia	18,895,915	113,394		
7	Georgia	28,651,356	131,452		
8	Illinois	180,623,004	1,429,227		8,989,060
9	Indiana	9,111,053	53,506		179,384
10	Iowa	27,548,927	391,583		
11	Kentucky	18,457,364	180,403		4,815,998
12	Louisiana	173,166,375	2,105,721		167,176,327
13	Maine	3,054,597			7,732,668
14	Maryland	119,982,979	583,713		5,000,000
15	Massachusetts	505,020,705	3,446,612		151,728,368
16	Michigan	29,625,402	122,338		3,748,883
17	Minnesota	37,969,426	457,489		19,511,827
18	Mississippi	3,149,339	31,493		
19	Missouri	59,893,601	588,586		5,806,826
20	Nebraska	14,218			
21	Nevada				
22	New Hampshire	19,202,491	171,492		
23	New Jersey	251,032,320	2,079,445		5,157,709
24	New York	2,702,445,660	18,881,872		893,434,652
25	North Carolina	1,989,416	28,686		
26	Ohio	184,844,304	1,352,448		18,323,797
27	Pennsylvania	714,791,670	5,847,970		328,935,612
28	Rhode Island	171,744,814	476,450		40,063,396
29	South Carolina	120,300			
30	Tennessee	16,194,623	207,400		5,199,645
31	Texas	3,958,786	62,259		230,228
32	Vermont	9,170,653			
33	Virginia	55,670,765	647,150		4,973,989
34	West Virginia	7,560,270	74,364		172,207
35	Wisconsin	73,877,052	412,986		13,767,679
36	Insurance companies of foreign countries in the United States.	1,904,792,909	16,453,613		238,373,058

fire-marine, and marine insurance companies—Continued.

RISKS WRITTEN DURING THE YEAR 1879—continued.			Losses incurred during the year 1879.	RISKS IN FORCE DECEMBER 31, 1879.		Total amount of risks in force.	
Premiums charged on marine and inland risks written.	Average rate of marine and inland premiums charged on $100.	Total amount of all risks written.		Fire risks in force.	Marine and inland risks in force.		
Dollars.	*Per cent.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	
13, 339, 078	.....	10, 115, 140, 522	48, 128, 564	10, 000, 828, 643	283, 824, 213	10, 284, 652, 856	
.....	.....	24, 959, 096	102, 225	9, 010, 827	34, 897	9, 045, 724	1
413, 937	.....	118, 547, 335	730, 035	93, 529, 129	2, 435, 613	95, 964, 742	2
.....	.....	313, 820	164	313, 820	.....	313, 820	3
197, 764	.....	695, 956, 283	3, 768, 254	830, 517, 587	1, 047, 753	831, 565, 340	4
.....	.....	19, 482, 381	55, 669	26, 075, 999	.....	26, 075, 999	5
.....	.....	18, 895, 915	35, 339	32, 367, 105	.....	32, 367, 105	6
.....	.....	28, 651, 356	125, 144	25, 285, 630	.....	25, 285, 630	7
20, 435	.....	189, 612, 064	656, 478	257, 842, 839	.....	257, 842, 839	8
5, 538	.....	9, 290, 437	34, 510	22, 351, 402	.....	22, 351, 402	9
.....	.....	27, 548, 927	176, 895	102, 142, 965	.....	102, 142, 965	10
76, 810	.....	23, 273, 362	184, 059	31, 481, 455	502, 171	31, 983, 626	11
960, 962	.....	340, 342, 702	1, 176, 524	115, 752, 484	4, 774, 914	120, 527, 398	12
258, 584	.....	10, 787, 265	145, 107	15, 335, 522	2, 868, 706	18, 204, 228	13
42, 281	.....	124, 982, 979	402, 201	189, 402, 408	100, 000	189, 502, 408	14
1, 916, 799	.....	656, 749, 073	4, 202, 695	758, 498, 744	52, 941, 256	811, 440, 000	15
25, 319	.....	33, 374, 285	58, 830	139, 371, 985	23, 500	139, 395, 485	16
107, 392	.....	57, 481, 253	389, 864	55, 779, 574	295, 982	56, 075, 556	17
.....	.....	3, 149, 339	27, 221	2, 564, 296	.....	2, 564, 296	18
33, 490	.....	65, 700, 427	425, 985	102, 312, 881	33, 127	102, 346, 008	19
.....	.....	14, 218	.....	31, 023	.....	31, 023	20
.....	.....	.....	.....	.....	.....	.....	21
.....	.....	19, 202, 491	120, 457	32, 611, 485	.....	32, 611, 485	22
27, 163	.....	256, 190, 029	1, 454, 807	323, 700, 224	620, 450	324, 320, 674	23
2, 760, 048	.....	3, 595, 880, 312	15, 108, 580	2, 877, 551, 297	143, 922, 457	3, 021, 473, 754	24
.....	.....	1, 989, 416	16, 199	1, 574, 278	.....	1, 574, 278	25
301, 106	.....	203, 168, 101	1, 347, 318	418, 010, 789	1, 739, 058	419, 749, 847	26
3, 316, 476	.....	1, 043, 727, 282	6, 023, 425	1, 379, 926, 077	44, 557, 019	1, 424, 483, 096	27
233, 349	.....	211, 808, 210	443, 585	192, 190, 364	1, 733, 916	193, 924, 280	28
.....	.....	120, 300	8, 571	2, 237, 975	.....	2, 237, 975	29
49, 473	.....	21, 394, 268	128, 260	16, 929, 557	25, 000	16, 954, 557	30
2, 231	.....	4, 189, 014	25, 807	2, 010, 837	3, 800	2, 014, 637	31
.....	.....	9, 170, 653	151, 586	47, 853, 328	.....	47, 853, 328	32
27, 826	.....	60, 644, 754	476, 002	69, 209, 243	3, 000	69, 212, 243	33
3, 944	.....	7, 732, 477	59, 911	11, 317, 199	.....	11, 317, 199	34
89, 543	.....	87, 644, 731	478, 673	135, 430, 701	250, 000	135, 680, 701	35
2, 468, 608	.....	2, 143, 165, 967	9, 588, 184	1, 680, 307, 614	25, 911, 594	1, 706, 219, 208	36

TABLE CXXIII.—*Ratios of the business of fire, fire-marine,*

[See notes to Table CXXIII on pages 1498 and 1499.]

	States, etc.	RATIOS OF LOSSES.						
		Ratios of fire losses paid to fire premiums and assessments received in cash.	Ratios of marine and inland losses paid to marine and inland premiums received in cash.	Ratios of total losses paid to total premiums and assessments received in cash.	Ratios of total losses paid to total cash income.	Ratios of total losses paid to total cash expenditures.	Ratios of fire losses paid to fire risks written.	Ratios of marine and inland losses paid to marine and inland risks written.
	CLASS 1.							
	Total	c 0.5793	0.6816	c 0.5978	c 0.5137	0.5463	0.0045	0.0052
1	Alabama	0.3204	0.5206	0.3869	0.2839	0.3582	d 0.0041	.....
2	California	0.5101	0.6237	0.5326	0.4629	0.4716	0.0062	0.0112
3	Colorado	0.0114	.....	0.0114	0.0048	0.0252	0.0005	.....
4	Connecticut	0.5944	0.6117	0.5949	0.5184	0.5290	0.0057	0.0030
5	Delaware	1.0426	.....	1.0426	0.9001	0.5832	0.0121	.....
6	District of Columbia	0.2139	.....	0.2139	0.1138	0.1398	0.0014	.....
7	Georgia	0.5160	.....	0.5160	0.3839	0.4707	0.0048	.....
8	Illinois	0.4729	0.5079	0.4734	0.3976	0.4331	0.0037	0.0010
9	Indiana	0.5592	0.2949	0.5294	0.3190	0.3019	0.0062	0.0114
10	Iowa	c 0.3377	.....	c 0.3377	c 0.2823	0.3406	0.0063	.....
11	Kentucky	0.5038	0.3616	0.4675	0.3161	0.3711	0.0050	0.0043
12	Louisiana	0.3211	0.5721	0.3933	0.3318	0.4828	0.0038	0.0028
13	Maine	.....	0.5922	0.5922	0.5229	0.5443	.....	0.0170
14	Maryland	0.4811	0.3488	0.4748	0.3528	0.3601	0.0027	0.0022
15	Massachusetts	0.6961	0.6970	0.6964	0.6072	0.6066	0.0061	0.0082
16	Michigan	0.4426	0.3866	0.4336	0.2928	0.3697	0.0041	0.0022
17	Minnesota	0.7162	0.8794	0.7482	0.6667	0.6699	0.0084	0.0044
18	Mississippi	0.8145	7.1205	0.8644	0.6914	0.6456	d 0.0086	.....
19	Missouri	0.6762	0.5689	0.6703	0.5685	0.5550	0.0073	0.0032
20	Nevada	.....	.....	.....	.....	.....	.....	.....
21	New Hampshire	0.6202	.....	0.6202	0.5475	0.6005	0.0075	.....
22	New Jersey	0.6252	0.9517	0.6299	0.5090	0.5097	0.0050	0.0075
23	New York	0.5730	0.9258	0.6091	0.5234	0.5139	0.0037	0.0054
24	North Carolina	0.5976	.....	0.5976	0.3724	0.3461	0.0096	.....
25	Ohio	0.6738	0.6028	0.6613	0.5316	0.5147	0.0070	0.0087
26	Pennsylvania	0.5235	0.8186	0.6200	0.4980	0.5389	0.0050	0.0067
27	Rhode Island	0.5499	0.7025	0.5972	0.5287	0.5813	0.0044	0.0034
28	Tennessee	0.6829	0.2058	0.5842	0.4073	0.4449	0.0077	0.0019
29	Texas	0.7614	.....	0.7379	0.5505	0.6354	0.0116	.....
30	Vermont	.....	.....	.....	.....	.....	.....	.....
31	Virginia	0.8185	0.1039	0.7952	0.5818	0.5337	0.0087	0.0004
32	West Virginia	0.5872	2.9460	0.7311	0.5121	0.5329	0.0065	0.0900
33	Wisconsin	0.5516	0.5837	0.5573	0.4383	0.5174	0.0051	0.0033
34	Insurance companies of foreign countries in U.S.	0.6197	0.3553	0.5871	0.5489	0.6630	0.0046	0.0030
	CLASS 2.							
	Total	0.7537	0.7871	0.7741	0.6435	0.6169	0.0065	0.0130
1	Massachusetts	0.6311	0.7871	0.7312	0.6090	0.6072	0.0052	0.0130
2	Pennsylvania	0.2051	.....	0.2051	0.1038	0.2990	0.0016	.....
3	Tennessee	.....	.....	.....	.....	.....	.....	.....
4	Wisconsin	1.7908	.....	1.7908	1.5030	0.7317	0.0224	.....

and marine insurance companies for the year 1879.

[See notes to Table CXXIII on pages 1498 and 1499.]

RATIOS OF DIVIDENDS.					
Ratios of dividends paid to paid-up capital stock.	Ratios of dividends paid to ledger assets.	Ratios of dividends paid to total cash income.	Ratios of dividends paid to total cash expenditures.	Ratios of dividends paid to income from investments.	
0.1071	0.0457	*c* 0.1132	0.1252	0.9690	
0.0662	0.0522	0.2142	0.2702	0.9247	1
0.1461	0.0869	0.1858	0.1893	1.4244	2
.....	.....	.....	.....	.....	3
0.1570	0.0722	0.1824	0.1861	1.4201	4
.....	.....	.....	.....	.....	5
0.1020	0.0637	0.4621	0.5675	1.2709	6
0.0662	0.0379	0.1363	0.1671	0.5688	7
0.1418	0.0550	0.1257	0.1369	0.9679	8
0.0775	0.0590	0.3881	0.3673	1.0067	9
0.0759	0.0283	*c* 0.0966	0.1166	0.9659	10
0.0763	0.0615	0.2784	0.3269	1.2670	11
0.0976	0.0802	0.1596	0.2322	1.7474	12
0.1793	0.0794	0.3212	0.3343	2.7432	13
0.1116	0.0670	0.3412	0.3483	1.3783	14
0.0726	0.0388	0.1129	0.1128	0.8910	15
0.0925	0.0427	0.1879	0.2372	0.6156	16
0.1000	0.0466	0.0714	0.0718	0.6557	17
.....	.....	.....	.....	.....	18
0.0845	0.0421	0.1179	0.1152	0.7838	19
.....	.....	.....	.....	.....	20
0.0800	0.0372	0.0855	0.0938	0.7297	21
0.0852	0.0433	0.0162	0.1619	0.8621	22
0.1112	0.0498	0.1264	0.1241	0.9941	23
.....	.....	.....	.....	.....	24
0.0798	0.0510	0.1849	0.1790	1.0109	25
0.1486	0.0498	0.1544	0.1670	1.0459	26
0.0545	0.0335	0.0855	0.0940	0.7459	27
0.0369	0.0314	0.1946	0.2126	0.7598	28
.....	.....	.....	.....	.....	29
.....	.....	.....	.....	.....	30
0.0664	0.0365	0.1800	0.1651	0.7028	31
0.0454	0.0388	0.2031	0.2113	1.2167	32
0.0969	0.0584	0.1444	0.1705	1.0208	33
.....	.....	.....	.....	.....	34
0.0540	0.0236	0.1390	0.1332	0.8451	
0.0571	0.0273	0.1413	0.1409	0.8481	1
.....	.....	.....	.....	.....	2
.....	.....	.....	.....	.....	3
0.0300	0.0187	0.1041	0.0507	0.7022	4

TABLE CXXIII.—*Ratios of the business of fire, fire-marine,*

	States, etc.	RATIOS OF LOSSES.						
		Ratios of fire losses paid to fire premiums and assessments received in cash.	Ratios of marine and inland losses paid to marine and inland premiums received in cash.	Ratios of total losses paid to total premiums and assessments received in cash.	Ratios of total losses paid to total cash income.	Ratios of total losses paid to total cash expenditures.	Ratios of fire losses paid to fire risks written.	Ratios of marine and inland losses paid to marine and inland risks written.
	CLASS 3.							
	Total	0.4659	0.6020	0.5262	0.4438	0.4462	0.0051	0.0054
1	Connecticut	0.5967	.....	0.5967	0.4405	0.5408	0.0039	.....
2	Delaware	0.3756	.....	0.3756	0.2959	0.4143	0.0015	.....
3	District of Columbia	0.3355	.....	0.3355	0.2626	0.3499	0.0169	.....
4	Georgia	0.2076	.....	0.2076	0.1635	0.2008	0.0026	.....
5	Illinois	0.2844	.....	0.2844	0.2819	0.5293	0.0118	.....
6	Indiana	0.6720	.....	0.6720	0.5833	0.5853	0.0186	.....
7	Iowa	0.7259	.....	0.7259	0.6910	0.6096	0.0232	.....
8	Kentucky	0.3910	.....	0.3910	0.3180	0.4017	0.0046	.....
9	Maine	1.0649	0.5541	1.0363	0.8879	0.7445	0.0116	0.0037
10	Maryland	0.6625	.....	0.6625	0.4212	0.5817	0.0166	.....
11	Massachusetts	0.3064	0.6900	0.3635	0.2974	0.2968	0.0032	0.0109
12	Minnesota	0.4584	.....	0.4584	0.4197	0.5270	0.0045	.....
13	Missouri	0.4613	1.7011	0.4646	0.4239	0.4600	0.0082	0.0014
14	New Jersey	0.6889	0.9936	0.7698	0.7139	0.7566	0.0135	0.0545
15	New York	0.6923	0.5894	0.5926	0.5107	0.4604	0.0035	0.0051
16	North Carolina	0.1705	.....	0.1705	0.1155	0.2718	0.0025	.....
17	Ohio	0.6113	.....	0.6113	0.5287	0.5980	0.0074	.....
18	Pennsylvania	0.6857	.....	0.6857	0.5137	0.5724	0.0076	.....
19	Rhode Island	0.1456	.....	0.1456	0.1366	0.1520	0.0012	.....
20	South Carolina	1.0606	.....	1.0606	0.8022	0.6588	0.0712	.....
21	Vermont	0.8767	.....	0.8767	0.8640	0.7865	0.0223	.....
22	Virginia	0.5339	.....	0.5339	0.2855	0.6698	0.0260	.....
23	Wisconsin	0.6749	.....	0.6749	0.5902	0.6259	0.0087	.....
	CLASS 4.							
	Total	0.8614	.....	0.8614	0.7075	0.7123	0.0090	.....
1	Connecticut	0.5116	.....	0.5116	0.3484	0.1408	0.0046	.....
2	Delaware	1.0000	.....	1.0000	0.6585	0.5050	0.0051	.....
3	Illinois	0.8987	.....	0.8987	0.6650	0.6883	0.0053	.....
4	Indiana	0.6946	.....	0.6946	0.5644	0.7541	0.0032	.....
5	Iowa	0.9069	.....	0.9069	0.7989	0.8173	0.0125	.....
6	Kentucky	.....	.....	.....	.....	.....	.....	.....
7	Maine	1.5492	.....	1.5492	0.3821	0.3755	0.0237	.....
8	Maryland	0.9967	.....	0.9967	0.5855	0.5715	0.0110	.....
9	Massachusetts	0.4115	.....	0.4115	0.3709	0.5921	0.0045	.....
10	Michigan	0.8005	.....	0.8005	0.6573	0.6811	0.0101	.....
11	Minnesota	0.3534	.....	0.3534	0.2979	0.3710	0.0028	.....
12	Missouri	0.4760	.....	0.4760	0.4337	0.6226	0.0035	.....
13	Nebraska	.....	.....	.....	.....	.....	.....	.....
14	New Hampshire	0.5898	.....	0.5898	0.4944	0.5533	0.0093	.....
15	New Jersey	0.8764	.....	0.8764	0.7978	0.7586	0.0237	.....
16	New York	0.8108	.....	0.8108	0.7345	0.7737	0.0034	.....
17	Ohio	0.7973	.....	0.7973	0.6307	0.7134	0.0027	.....
18	Pennsylvania	0.9211	.....	0.9211	0.8210	0.7899	0.0130	.....
19	Rhode Island	0.0353	.....	0.0353	0.0353	0.0793	0.0002	.....
20	Vermont	0.7826	.....	0.7826	0.7525	0.7752	0.0112	.....
21	Virginia	0.9237	.....	0.9237	0.8927	0.8817	0.0085	.....
22	West Virginia	0.4140	.....	0.4140	0.3945	0.5247	0.0017	.....
23	Wisconsin	0.8130	.....	0.8130	0.6999	0.6997	0.0049	.....

and marine insurance companies for the year 1879—Continued.

RATIOS OF DIVIDENDS.					
Ratios of dividends paid to paid-up capital stock.	Ratio of dividends paid to ledger assets.	Ratios of dividends paid to total cash income.	Ratios of dividends paid to total cash expenditures.	Ratios of dividends paid to income from investments.	
	0.0283	0.3460	0.3478	2.5967	
	0.0002	0.0041	0.0050	0.0174	1
	0.0047	0.1093	0.1530	0.5278	2
					3
	0.1418	0.4584	0.5628	2.1774	4
					5
					6
	0.0016	0.0124	0.0110	0.6957	7
					8
					9
	0.0027	0.0501	0.0691	0.1448	10
	0.0779	0.5447	0.5437	3.9026	11
					12
					13
	0.0005	0.0094	0.0099	0.1835	14
	0.1476	0.4612	0.4158	3.4353	15
					16
	0.0012	0.0145	0.0164	0.1447	17
	0.0001	0.0025	0.0028	0.0146	18
	0.0432	0.6519	0.7255	10.5428	19
					20
					21
					22
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					1
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TABLE CXXIII.—*Ratios of the business of fire, fire-marine,*

	State, etc.	RATIOS OF LOSSES.						
		Ratios of fire losses paid to fire premiums and assessments received in cash.	Ratios of marine and inland losses paid to marine and inland premiums received in cash.	Ratios of total losses paid to total premiums and assessments received in cash.	Ratios of total losses paid to total cash income.	Ratios of total losses paid to total cash expenditures.	Ratios of fire losses paid to fire risks written.	Ratios of marine and inland losses paid to marine and inland risks written.
	SUMMARY.							
	Total	*c* 0.5736	0.6580	*c* 0.5901	*c* 0.5053	0.5341	*d* 0.0047	0.0053
1	Alabama	0.3204	0.5206	0.3869	0.2839	0.3582	*d* 0.0041	.....
2	California	0.5101	0.6237	0.5326	0.4629	0.4716	0.0062	0.0112
3	Colorado	0.0114	.....	0.0114	0.0048	0.0252	0.0005	.....
4	Connecticut	0.5945	0.6117	0.5949	0.5163	0.5289	0.0057	0.0030
5	Delaware	0.5818	.....	0.5818	0.4699	0.4926	0.0029	.....
6	District of Columbia	0.2387	.....	0.2387	0.1359	0.1688	0.0019	.....
7	Georgia	0.3118	.....	0.3118	0.2408	0.2954	0.0035	.....
8	Illinois	0.4697	0.5079	0.4702	0.3983	0.4460	0.0039	0.0010
9	Indiana	0.6075	0.2949	0.5851	0.3932	0.3915	0.0060	0.0114
10	Iowa	*c* 0.4322	.....	*c* 0.4322	*c* 0.3678	0.4221	0.0081	.....
11	Kentucky	0.4919	0.3616	0.4613	0.3160	0.3729	0.0049	0.0043
12	Louisiana	0.3211	0.5720	0.3933	0.3318	0.4828	0.0038	0.0028
13	Maine	1.3342	0.5919	0.7063	0.5098	0.5155	0.0173	0.0167
14	Maryland	0.5260	0.3468	0.5194	0.3723	0.4021	0.0035	0.0022
15	Massachusetts	0.5533	0.7121	0.6003	0.5117	0.5115	0.0051	0.0092
16	Michigan	0.6804	0.3866	0.6627	0.5033	0.5643	0.0076	0.0022
17	Minnesota	0.6942	0.8794	0.7281	0.6495	0.6612	0.0080	0.0044
18	Mississippi	0.8145	7.1205	0.8644	0.6914	0.6456	*d* 0.0086	.....
19	Missouri	0.6069	0.5923	0.6064	0.5258	0.5301	0.0074	0.0030
20	Nebraska	.....	.....	.....	.....	.....	.....	.....
21	Nevada	.....	.....	.....	.....	.....	.....	.....
22	New Hampshire	0.6161	.....	0.6161	0.5400	0.5939	0.0077	.....
23	New Jersey	0.6437	0.9837	0.6608	0.5467	0.5503	0.0057	0.0224
24	New York	0.5747	0.6858	0.6961	0.5211	0.5024	0.0037	0.0052
25	North Carolina	0.5576	.....	0.5576	0.3501	0.3474	0.0089	.....
26	Ohio	0.6539	0.6028	0.6478	0.5322	0.5392	0.0069	0.0087
27	Pennsylvania	0.5755	0.8186	0.6418	0.5135	0.5548	0.0058	0.0067
28	Rhode Island	0.2660	0.7025	0.3175	0.2912	0.3226	0.0022	0.0034
29	South Carolina	1.0606	.....	1.0606	0.8022	0.6588	0.0712	.....
30	Tennessee	0.6829	0.2058	0.5842	0.4073	0.4449	0.0077	0.0019
31	Texas	0.7614	.....	0.7379	0.5505	0.6354	0.0116	.....
32	Vermont	0.8744	.....	0.8744	0.8613	0.7862	0.0218	.....
33	Virginia	0.7903	0.1039	0.7706	0.5454	0.5459	0.0091	0.0004
34	West Virginia	0.5845	2.9460	0.7265	0.5108	0.5327	0.0064	0.0900
35	Wisconsin	0.6664	0.5837	0.6583	0.5406	0.5836	0.0065	0.0033
36	Insurance companies of foreign countries in U. S.	0.6197	0.3553	0.5871	0.5489	0.6630	0.0046	0.0030

a The ratios of dividends to capital in the summary by states are for classes 1 and 2, exclusive of insurance companies of foreign countries.

b The ratios of dividends to ledger assets, total income, expenditures, and income from investments in the summary by states are for classes 1, 2, and 3, exclusive of insurance companies of foreign countries.

and marine insurance companies for the year 1879—Continued.

RATIOS OF DIVIDENDS.					
Ratios of dividends paid to paid-up capital stock. (*a*)	Ratios of dividends paid to ledger assets. (*b*)	Ratios of dividends paid to total cash income. (*b*)	Ratios of dividends paid to total cash expenditures. (*b*)	Ratios of dividends paid to income from investments. (*b*)	
0.1605	0.0404	*c* 0.1850	0.1904	1.3307	
0.0662	0.0522	0.2142	0.2702	0.9247	1
0.1461	0.0869	0.1858	0.1893	1.4244	2
.....	.....	.....	.....	.....	3
0.1570	0.0570	0.1776	0.1821	1.3537	4
.....	0.0040	0.0782	0.0822	0.4181	5
0.1020	0.0316	0.3936	0.4891	1.1542	6
0.0662	0.1028	0.3455	0.4240	1.5653	7
0.1418	0.0429	0.1168	0.1311	0.9631	8
0.0775	0.0397	0.3198	0.3057	0.9381	9
0.0759	0.0226	*c* 0.0879	0.1021	0.9604	10
0.0763	0.0430	0.2600	0.3067	1.2175	11
0.0976	0.0802	0.1596	0.2322	1.7474	12
0.1793	0.0693	0.2950	0.3012	2.4788	13
0.1116	0.0343	0.2776	0.3005	1.0319	14
0.0698	0.0569	0.2481	0.2478	1.8508	15
0.0925	0.0427	0.1879	0.2372	0.6156	16
0.1000	*e* 0.0466	0.0673	0.0685	0.6263	17
.....	.....	.....	.....	.....	18
0.0845	0.0136	0.0838	0.0842	0.6520	19
.....	.....	.....	.....	.....	20
.....	.....	.....	.....	.....	21
0.0800	0.0372	0.0855	0.0938	0.7297	22
0.0852	0.0254	0.1412	0.1425	0.8346	23
0.1112	0.0737	0.1960	0.1889	1.5240	24
.....	.....	.....	.....	.....	25
0.0798	0.0216	0.1343	0.1358	0.8481	26
0.1486	0.0193	0.1343	0.1459	0.8901	27
0.0545	0.0422	0.4284	0.4745	5.1823	28
.....	.....	.....	.....	.....	29
0.0369	0.0314	0.1946	0.2126	0.7598	30
.....	.....	.....	.....	.....	31
.....	.....	.....	.....	.....	32
0.0664	0.0099	0.1553	0.1555	0.6039	33
0.0454	0.0388	0.2031	0.2113	1.2167	34
0.0898	0.0334	0.0961	0.1047	0.7070	35
.....	.....	.....	.....	.....	36

c When computing this ratio the notes received for premiums, class 1 state of Iowa, were added to the cash premiums received.
d Includes the marine and inland business in the states of Alabama and Mississippi.
e Class 1 only.

TABLE CXXIII.—*Ratios of the business of fire, fire-marine,*

	States, etc.	RATIOS OF EXPENSE.			RATIOS TO CASH INCOME.		
		Ratios of expenditures on account of expense to cash received from premiums and assessments.	Ratios of expenditures on account of expense to total cash income.	Ratios of expenditures on account of expense to total cash expenditures.	Ratios of cash received from premiums and assessments to total cash income.	Ratios of income from investments to total cash income.	Ratios of total cash expenditures to total cash income.
	CLASS 1.						
	Total	c 0.3392	c 0.2915	0.3115	c 0.8593	c 0.1209	c 0.9358
1	Alabama	0.3275	0.2404	0.3032	0.7339	0.2316	0.7926
2	California	0.3266	0.2838	0.2892	0.8691	0.1304	0.9814
3	Colorado	0.4423	0.1846	0.9748	0.4173	.....	0.8894
4	Connecticut	0.3204	0.2792	0.2849	0.8714	0.1284	0.9799
5	Delaware	0.7328	0.6327	0.4099	0.8634	0.1366	1.5434
6	District of Columbia	0.4481	0.2384	0.2928	0.5320	0.3636	0.8143
7	Georgia	0.3971	0.2955	0.3622	0.7440	0.2397	0.8157
8	Illinois	0.4462	0.3748	0.4082	0.8400	0.1299	0.9182
9	Indiana	0.5801	0.3495	0.3308	0.6026	0.3856	1.0567
10	Iowa	c 0.5383	c 0.4499	0.5428	c 0.8358	c 0.1001	c 0.8288
11	Kentucky	0.3682	0.2489	0.2922	0.6761	0.2197	0.8517
12	Louisiana	0.1794	0.1514	0.2203	0.8435	0.0913	0.6871
13	Maine	0.1321	0.1166	0.1214	0.8829	0.1171	0.9606
14	Maryland	0.3519	0.2614	0.2669	0.7429	0.2475	0.9796
15	Massachusetts	0.3222	0.2809	0.2806	0.8719	0.1268	1.0010
16	Michigan	0.4534	0.3061	0.3866	0.6752	0.3052	0.7919
17	Minnesota	0.2886	0.2671	0.2584	0.8911	0.1089	0.9953
18	Mississippi	0.4210	0.3368	0.3144	0.7999	0.2001	1.0710
19	Missouri	0.3790	0.3214	0.3138	0.8481	0.1504	1.0244
20	Nevada	.....	.....	.....	.....	.....	.....
21	New Hampshire	0.3158	0.2788	0.3058	0.8828	0.1172	0.9119
22	New Jersey	0.3818	0.3084	0.3089	0.8080	0.1875	0.9985
23	New York	0.4273	0.3671	0.3604	0.8592	0.1271	1.0185
24	North Carolina	0.4990	0.3109	0.2890	0.6231	0.3340	1.0759
25	Ohio	0.3627	0.2916	0.2823	0.8039	0.1829	1.0328
26	Pennsylvania	0.3057	0.2456	0.2657	0.8033	0.1476	0.9243
27	Rhode Island	0.3271	0.2896	0.3184	0.8854	0.1146	0.9096
28	Tennessee	0.4497	0.3136	0.3425	0.6973	0.2562	0.9155
29	Texas	0.4234	0.3158	0.3646	0.7460	0.2001	0.8663
30	Vermont	.....	.....	.....	.....	.....	.....
31	Virginia	0.4299	0.3145	0.2885	0.7316	0.2562	1.0902
32	West Virginia	0.3315	0.2322	0.2416	0.7005	0.1669	0.9612
33	Wisconsin	0.3361	0.2643	0.3121	0.7864	0.1415	0.8470
34	Ins. cos. of foreign countries in U. S.	0.2663	0.2490	0.3008	0.9350	0.0515	0.8279
	CLASS 2.						
	Total	0.3131	0.2603	0.2495	0.8313	0.1644	1.0433
1	Massachusetts	0.3028	0.2522	0.2515	0.8329	0.1666	1.0031
2	Pennsylvania	0.4754	0.2406	0.6930	0.5061	.....	0.3472
3	Tennessee	.....	.....	.....	.....	.....	.....
4	Wisconsin	0.5327	0.4470	0.2176	0.8391	0.1366	2.0538

c When computing this ratio the notes received for premiums, class 1, state of Iowa, were added to the cash premiums received.

and marine insurance companies for the year 1879—Continued.

Ratios to ledger assets.				Ratios of liabilities as to policyholders to cash or available assets.	Ratios of net assets and risks in force.		
Ratios of paid-up capital stock to ledger assets.	Ratios of cash and contingent liabilities to ledger assets.	Ratios of cash, contingent, and capital liabilities to ledger assets.	Ratios of cash, contingent, capital, and scrip liabilities to ledger assets.		Ratios of net assets to risks in force.	The amount of risks in force to each one dollar of net assets.	
						Dollars.	
0.4886	0.2706	0.7592	0.7680	0.2710	0.0239	41 82	
0.7878	0.0867	0.8744	0.8744	0.0867	0.1564	6 40	1
0.5948	0.2277	0.8225	0.8225	0.2277	0.0385	25 99	2
0.9596	0.0392	0.9987	0.9987	0.0392	0.6610	1 51	3
0.4599	0.2634	0.7233	0.7233	0.2634	0.0236	42 38	4
0.8777	0.1135	0.9912	0.9912	0.2192	0.0927	10 79	5
0.6248	0.0374	0.6622	0.6622	0.0374	0.0691	14 46	6
0.5719	0.1307	0.7026	0.7026	0.1307	0.0559	17 90	7
0.3878	0.3268	0.7146	0.7146	0.3385	0.0159	62 83	8
0.7614	0.0611	0.8225	0.8225	0.0611	0.0959	10 43	9
0.3724	0.4256	0.7980	0.7980	0.4256	0.0223	44 84	10
0.8064	0.1269	0.9334	0.9334	0.1269	0.0732	13 67	11
0.8213	0.1548	0.9761	0.9761	0.1548	0.0529	18 89	12
0.4428	0.2508	0.6935	0.6935	0.2508	0.3149	3 18	13
0.6005	0.1044	0.7049	0.7049	0.1044	0.0388	25 76	14
0.5340	0.2574	0.7914	0.7914	0.2574	0.0343	29 12	15
0.4617	0.1183	0.5800	0.5800	0.1183	0.0469	21 31	16
0.4664	0.3396	0.8060	0.8060	0.3396	0.0210	47 65	17
0.8125	0.0521	0.8646	0.8646	0.0521	0.0960	10 42	18
0.4981	0.2050	0.7031	0.7031	0.2050	0.0446	22 44	19
.....	.....	.....	.....	.....	.....	.....	20
0.4648	0.2616	0.7264	0.7264	0.2616	0.0251	39 88	21
0.5088	0.1699	0.6787	0.6815	0.1699	0.0358	27 94	22
0.4480	0.2457	0.6939	0.7094	0.2457	0.0192	52 15	23
0.7742	0.1687	0.9430	0.9430	0.1687	0.1994	5 02	24
0.6386	0.1740	0.8125	0.8125	0.1740	0.0446	22 43	25
0.3351	0.3348	0.6699	0.6988	0.3348	0.0285	35 11	26
0.6139	0.2385	0.8524	0.8524	0.2385	0.0335	29 82	27
0.8500	0.0643	0.9144	0.9144	0.0643	0.1198	8 35	28
0.8503	0.1193	0.9697	0.9697	0.1193	0.2193	4 56	29
.....	.....	.....	.....	.....	.....	.....	30
0.5490	0.3691	0.9181	0.9181	0.3691	0.0574	17 44	31
0.8534	0.1057	0.9591	0.9591	0.1057	0.0583	17 15	32
0.6026	0.2284	0.8310	0.8310	0.2234	0.0332	30 10	33
0.4809	0.4318	0.9127	0.9127	0.4318	0.0141	70 84	34
0.4373	0.1825	0.6197	0.6969	0.2268	0.5051	19 80	
0.4786	0.2062	0.6848	0.7770	0.2295	0.0448	22 33	1
0.0995	0.0139	0.1134	0.1134	0.1292	0.8569	1 18	2
.....	.....	.....	.....	.....	.....	.....	3
0.6235	0.2086	0.8321	0.8321	0.2086	0.0374	26 76	4

TABLE CXXIII.—*Ratios of the business of fire, fire-marine,*

	States, etc.	RATIOS OF EXPENSE.			RATIOS TO CASH INCOME.		
		Ratios of expenditures on account of expense to cash received from premiums and assessments.	Ratios of expenditures on account of expense to total cash income.	Ratios of expenditures on account of expense to total cash expenditures.	Ratios of cash received from premiums and assessments to total cash income.	Ratios of income from investments to total cash income.	Ratios of total cash expenditures to total cash income.
	CLASS 3.						
	Total	0.2171	0.1831	0.1841	0.8434	0.1332	0.9947
1	Connecticut	0.4397	0.3247	0.3986	0.7383	0.2360	0.8146
2	Delaware	0.2299	0.1811	0.2536	0.7879	0.2070	0.7143
3	District of Columbia	0.4507	0.3528	0.4701	0.7830	0.2115	0.7506
4	Georgia	0.2446	0.1926	0.2365	0.7875	0.2105	0.8146
5	Illinois	0.2529	0.2507	0.4707	0.9913	0.0083	0.5326
6	Indiana	0.4507	0.3912	0.3925	0.8681	0.1319	0.9966
7	Iowa	0.4480	0.4268	0.3766	0.9519	0.0179	1.1335
8	Kentucky	0.5635	0.4582	0.5789	0.8132	0.1263	0.7916
9	Maine	0.3391	0.2905	0.2436	0.8568	0.1408	1.1926
10	Maryland	0.2185	0.1389	0.1918	0.6358	0.3457	0.7242
11	Massachusetts	0.1875	0.1534	0.1531	0.8182	0.1396	1.0019
12	Minnesota	0.4113	0.3766	0.4729	0.9157	0.0843	0.7963
13	Missouri	0.5352	0.4884	0.5300	0.9125	0.0747	0.9215
14	New Jersey	0.2142	0.1986	0.2105	0.9273	0.0511	0.9435
15	New York	0.1590	0.1370	0.1235	0.8617	0.1342	1.1092
16	North Carolina	0.4569	0.3096	0.7282	0.6776	.....	0.4251
17	Ohio	0.3599	0.3113	0.3521	0.8650	0.1002	0.8842
18	Pennsylvania	0.3423	0.2565	0.2857	0.7492	0.1729	0.8975
19	Rhode Island	0.1148	0.1077	0.1199	0.9380	0.0618	0.8985
20	South Carolina	0.3899	0.2941	0.2422	0.7563	0.2437	1.2176
21	Vermont	0.2311	0.2277	0.2073	0.9856	0.0046	1.0986
22	Virginia	0.2631	0.1407	0.3302	0.5348	0.2631	0.4262
23	Wisconsin	0.3987	0.3486	0.3697	0.8744	0.1248	0.9430
	CLASS 4.						
	Total	0.2854	0.2344	0.2360	0.8214	.....	0.9933
1	Connecticut	0.2534	0.1726	0.0698	0.6810	.....	2.4737
2	Delaware	0.9802	0.6455	0.4950	0.6585	.....	1.3040
3	Illinois	0.4070	0.3012	0.3117	0.7400	.....	0.9662
4	Indiana	0.2265	0.1841	0.2459	0.8126	.....	0.7485
5	Iowa	0.2028	0.1786	0.1827	0.8809	.....	0.9776
6	Kentucky	0.4225	0.2941	1.0000	0.6961	.....	0.2941
7	Maine	0.6699	0.1652	0.1623	0.2466	.....	1.0176
8	Maryland	0.7473	0.4390	0.4285	0.5874	.....	1.0245
9	Massachusetts	0.2835	0.2555	0.4079	0.9013	.....	0.6264
10	Michigan	0.3748	0.3078	0.3189	0.8212	.....	0.9651
11	Minnesota	0.2543	0.2144	0.2670	0.8430	.....	0.8031
12	Missouri	0.2885	0.2629	0.3774	0.9112	.....	0.6966
13	Nebraska	.....	1.2083	1.0000	.....	.....	1.2083
14	New Hampshire	0.1624	0.1361	0.1523	0.8383	.....	0.8936
15	New Jersey	0.2287	0.2082	0.1979	0.9103	.....	1.0518
16	New York	0.2372	0.2148	0.2263	0.9059	.....	0.9493
17	Ohio	0.3203	0.2534	0.2866	0.7910	.....	0.8840
18	Pennsylvania	0.2450	0.2184	0.2101	0.8913	.....	1.0394
19	Rhode Island	0.4101	0.4101	0.9207	1.0000	.....	0.4455
20	Vermont	0.2270	0.2182	0.2243	0.9615	.....	0.9708
21	Virginia	0.1240	0.1198	0.1183	0.9665	.....	1.0126
22	West Virginia	0.3750	0.3574	0.4753	0.9530	.....	0.7519
23	Wisconsin	0.2381	0.2050	0.2049	0.8609	.....	1.0003

and marine insurance companies for the year 1879—Continued.

RATIOS TO LEDGER ASSETS.					RATIOS OF NET ASSETS AND RISKS IN FORCE.		
Ratios of paid-up capital stock to ledger assets.	Ratios of cash and contingent liabilities to ledger assets.	Ratios of cash, contingent, and capital liabilities to ledger assets.	Ratios of cash, contingent, capital, and scrip liabilities to ledger assets.	Ratios of liabilities as to policyholders to cash or available assets.	Ratios of net assets to risks in force.	The amount of risks in force to each one dollar of net assets.	
						Dollars.	
.....	0.0855	0.8002	0.9145	0.3761	0.1018	9 82	
.....	0.0615	0.8851	0.8851	0.3486	0.0618	16 19	1
.....	0.0091	0.7905	0.7905	0.0417	0.0937	10 68	2
.....	0.0111	0.8858	0.8858	0.0883	0.1773	5 64	3
.....	0.2323	0.2323	0.2323	0.2323	0.0484	20 67	4
.....	0.0165	0.8075	0.8075	0.0791	0.1303	7 67	5
.....	0.0052	0.7164	0.7164	0.0179	0.1128	8 87	6
.....	0.0029	0.8341	0.8341	0.0174	0.0544	18 38	7
.....	0.0530	0.9488	0.9488	0.5086	0.0540	18 52	8
.....	0.0768	0.6708	0.6708	0.1891	0.0344	29 07	9
.....	0.1583	0.8114	0.8114	0.4563	0.0579	17 26	10
.....	0.1573	0.7871	0.8292	0.4249	0.0473	21 13	11
.....	0.0006	0.9914	0.9914	0.0681	1.0086	99	12
.....	0.0735	0.9735	0.9735	0.7352	0.0577	17 32	13
.....	0.0889	1.0028	1.0028	1.0329	0.1058	9 45	14
.....	0.2818	0.3809	0.8727	0.3128	0.0870	11 50	15
.....	0.1228	0.8867	0.8867	0.5201	0.0490	20 42	16
.....	0.1375	0.9606	0.9606	0.7772	0.0384	26 04	17
.....	0.0398	0.9227	0.9227	0.3400	0.2014	4 97	18
.....	0.0440	0.9501	0.9501	0.4686	0.1136	8 80	19
.....	0.0174	0.9981	0.9981	0.9000	1.0020	99	20
.....	0.0518	0.9924	0.9924	0.8723	0.0948	10 55	21
.....	0.0094	0.9501	0.9501	0.1582	0.6877	1 45	22
.....	0.2819	0.5240	0.5240	0.3720	0.0252	39 63	23
.....	0.0010	0.9993	0.9993	0.5738	0.7311	1 37	
.....	0.0032	0.8722	0.8722	0.0242	0.0737	13 57	1
.....	.....	1.0000	1.0000	.....	0.9999	1 00	2
.....	0.0002	0.9976	0.9976	0.0607	0.8171	1 22	3
.....	0.0003	0.9985	0.9985	0.1505	0.9448	1 06	4
.....	0.0001	0.9993	0.9993	0.1467	0.9187	1 09	5
.....	0.0003	0.9987	0.9987	0.1780	0.7128	1 40	6
.....	0.0824	0.9982	0.9982	0.9787	0.0462	21 63	7
.....	0.0064	1.0027	1.0027	1.7311	0.3472	2 88	8
.....	0.0030	0.9951	0.9951	0.0381	0.1030	9 71	9
.....	0.0008	0.9998	0.9998	0.7730	0.9874	1 01	10
.....	.....	0.9970	0.9970	.....	0.9610	1 04	11
.....	0.0001	0.9989	0.9989	0.0860	0.5959	1 68	12
.....	.....	0.9992	0.9992	.....	1.0008	99	13
.....	0.0529	0.9973	0.9973	0.9513	0.0411	24 32	14
.....	0.0021	1.0016	1.0016	3.9218	0.6844	1 46	15
.....	0.0001	0.9994	0.9994	0.1414	0.8115	1 23	16
.....	0.0002	0.9993	0.9993	0.1812	0.9161	1 09	17
.....	0.0012	0.9994	0.9994	0.6619	0.6354	1 57	18
.....	0.0222	0.9352	0.9352	0.2549	0.1055	9 48	19
.....	0.0195	0.9942	0.9942	0.7704	0.1368	7 31	20
.....	0.0007	0.9999	0.9999	0.8957	0.9826	1 02	21
.....	0.0175	0.9850	0.9850	0.5373	0.1103	9 07	22
.....	0.0002	0.9980	0.9980	0.0936	0.8951	1 12	23

TABLE CXXIII.—*Ratios of the business of fire, fire-marine,*

	States, etc.	RATIOS OF EXPENSE.			RATIOS TO CASH INCOME.		
		Ratios of expenditures on account of expense to cash received from premiums and assessments.	Ratios of expenditures on account of expense to total cash income.	Ratios of expenditures on account of expense to total cash expenditures.	Ratios of cash received from premiums and assessments to total cash income.	Ratios of income from investments to total cash income. (*f*)	Ratios of total cash expenditures to total cash income.
	SUMMARY.						
	Total	*c* 0.3990	*c* 0.2746	0.2902	*c* 0.8562	*c* 0.1212	*c* 0.9461
1	Alabama	0.3275	0.2404	0.3032	0.7339	0.2316	0.7926
2	California	0.3266	0.2838	0.2892	0.8691	0.1304	0.9814
3	Colorado	0.4423	0.1846	0.9748	0.4173	.....	0.1894
4	Connecticut	0.3230	0.2803	0.2872	0.8678	0.1312	0.9761
5	Delaware	0.3879	0.3133	0.3284	0.8077	0.1869	0.9541
6	District of Columbia	0.4486	0.2553	0.3172	0.5692	0.3410	0.8049
7	Georgia	0.2961	0.2287	0.2806	0.7723	0.2207	0.8150
8	Illinois	0.4295	0.3639	0.4074	0.8472	0.1212	0.8932
9	Indiana	0.4951	0.3328	0.3312	0.6721	0.3409	1.0046
10	Iowa	*c* 0.4974	*c* 0.4232	0.4858	*c* 0.8509	*c* 0.0915	*c* 0.8712
11	Kentucky	0.3835	0.2627	0.3101	0.6851	0.2136	0.8474
12	Louisiana	0.1794	0.1514	0.2203	0.8435	0.0913	0.6871
13	Maine	0.1931	0.1394	0.1409	0.7218	0.1190	0.9891
14	Maryland	0.3333	0.2389	0.2580	0.7167	0.2690	0.9250
15	Massachusetts	0.2808	0.2393	0.2392	0.8523	0.1341	1.0003
16	Michigan	0.4043	0.3071	0.3443	0.7595	0.3052	0.8920
17	Minnesota	0.2955	0.2636	0.2683	0.8920	0.1075	0.9823
18	Mississippi	0.4210	0.3368	0.3144	0.7999	0.2001	1.0710
19	Missouri	0.4252	0.3687	0.3717	0.8671	0.1285	0.9918
20	Nebraska	.....	1.2083	1.0000	.....	.....	1.2083
21	Nevada	.....	.....	.....	.....	.....	.....
22	New Hampshire	0.2949	0.2585	0.2843	0.8765	0.1172	0.9093
23	New Jersey	0.3509	0.2904	0.2923	0.8274	0.1692	0.9935
24	New York	0.3711	0.3191	0.3076	0.8598	0.1286	1.0372
25	North Carolina	0.4950	0.3108	0.3049	0.6278	0.3050	1.0194
26	Ohio	0.3612	0.2968	0.3007	0.8216	0.1583	0.9870
27	Pennsylvania	0.3072	0.2458	0.2656	0.8001	0.1509	0.9256
28	Rhode Island	0.1957	0.1795	0.1989	0.9173	0.0827	0.9027
29	South Carolina	0.3899	0.2949	0.2422	0.7563	0.2437	1.2176
30	Tennessee	0.4497	0.3136	0.3425	0.6973	0.2562	0.9155
31	Texas	0.4234	0.3158	0.3646	0.7460	0.2001	0.8663
32	Vermont	0.2310	0.2275	0.2077	0.9850	0.0046	1.0955
33	Virginia	0.4076	0.2885	0.2888	0.7078	0.2571	0.9991
34	West Virginia	0.3321	0.2335	0.2435	0.7031	0.1669	0.9590
35	Wisconsin	0.3513	0.2885	0.3114	0.8212	0.1359	0.9263
36	Ins. cos. of foreign countries in U. S.	0.2663	0.2490	0.3008	0.9350	0.0515	0.8279

c When computing this ratio the notes received for premiums, class 1 state of Iowa, were added to the cash premiums received.

f The ratios of income from investments to total cash income in the summary by states are for classes 1, 2, and 3.

and marine insurance companies for the year 1879—Continued.

RATIOS TO LEDGER ASSETS.					RATIOS OF NET ASSETS AND RISKS IN FORCE.		
Ratios of paid-up capital stock to ledger assets. (g)	Ratios of cash and contingent liabilities to ledger assets.	Ratios of cash, contingent, and capital liabilities to ledger assets.	Ratios of cash, contingent, capital, and scrip liabilities to ledger assets.	Ratios of liabilities as to policyholders to cash or available assets.	Ratios of net assets to risks in force.	The amount of risks in force to each one dollar of net assets.	
						Dollars.	
0.4876	0.0798	0.9156	0.9287	0.2880	0.0845	11 83	
0.7873	0.0867	0.8744	0.8744	0.0867	0.1564	6 40	1
0.5948	0.2277	0.8225	0.8225	0.2277	0.0385	25 99	2
0.9595	0.0392	0.9987	0.9987	0.0392	0.6610	1 51	3
0.4599	0.2196	0.7581	0.7581	0.2671	0.0273	36 58	4
0.8777	0.0158	0.8924	0.8924	0.0975	0.1460	6 85	5
0.6248	0.0241	0.7751	0.7751	0.0432	0.0999	10 01	6
0.5719	0.1942	0.4088	0.4088	0.1942	0.0511	19 56	7
0.3878	0.0381	0.9590	0.9590	0.3187	0.1227	8 15	8
0.7614	0.0036	0.9821	0.9821	0.0585	0.5719	1 75	9
0.3724	0.0369	0.9781	0.9781	0.4057	0.1915	5 22	10
0.8064	0.0874	0.9480	0.9480	0.1433	0.0779	12 84	11
0.8213	0.1548	0.9761	0.9761	0.1548	0.0529	18 89	12
0.4428	0.1803	0.7922	0.7922	0.2788	0.0859	11 65	13
0.6005	0.1034	0.8142	0.8142	0.1997	0.0583	17 15	14
0.5230	0.1962	0.7856	0.8148	0.2988	0.0418	23 92	15
0.4617	0.0016	0.9968	0.9968	0.1959	0.8637	1 16	16
0.4664	0.0167	0.9833	0.9833	0.2999	0.3208	3 12	17
0.8125	0.0521	0.8646	0.8646	0.0521	0.0960	10 42	18
0.4981	0.0840	0.9172	0.9172	0.2966	0.0709	14 10	19
.....	.....	0.9992	0.9992	.....	1.0008	99	20
.....	.....	.....	.....	.....	.....	.....	21
0.4648	0.1598	0.8585	0.8585	0.2963	0.0309	32 38	22
0.5088	0.0547	0.9280	0.9286	0.2251	0.1159	8 63	23
0.4480	0.1728	0.7411	0.8297	0.2608	0.0344	29 04	24
0.7742	0.1657	0.9393	0.9393	0.1744	0.1636	6 11	25
0.6386	0.0609	0.9597	0.9597	0.2962	0.0976	10 24	26
0.3599	0.0474	0.9466	0.9484	0.2381	0.1847	5 42	27
0.6139	0.0632	0.9404	0.9404	0.3442	0.0926	10 79	28
.....	0.0174	0.9981	0.9981	0.9000	1.0020	99	29
0.8500	0.0643	0.9144	0.9144	0.0643	0.1198	8 35	30
0.8503	0.1193	0.9697	0.9697	0.1193	0.2193	4 56	31
.....	0.0494	0.9925	0.9925	0.8690	0.0971	10 30	32
0.5499	0.0817	0.9553	0.9553	0.3406	0.2587	3 87	33
0.8534	0.0992	0.9610	0.9610	0.1068	0.0604	16 56	34
0.6048	0.0124	0.9839	0.9839	0.2653	0.3743	2 67	35
0.4809	0.4318	0.9127	0.9127	0.4318	0.0141	70 84	36

g The ratios of capital to ledger assets in the summary by states are for classes 1 and 2.

VALUATION AND TAXATION.

TABLE CXXIV.—*Summary of the assessed valuation, and state,*

	States and Territories.	ASSESSED VALUATION.		
		Real estate.	Personal property.	Total.
	NEW ENGLAND STATES.	*Dollars.*	*Dollars.*	*Dollars.*
1	Maine	173, 856, 242	62, 122, 474	235, 978, 716
2	New Hampshire	122, 733, 124	42, 022, 057	164, 755, 181
3	Vermont	71, 436, 623	15, 370, 152	86, 806, 775
4	Massachusetts	1, 111, 160, 072	473, 596, 730	1, 584, 756, 802
5	Rhode Island	188, 224, 459	64, 312, 214	252, 536, 673
6	Connecticut	228, 791, 267	98, 386, 118	327, 177, 385
	Total	1, 896, 201, 787	755, 809, 745	2, 652, 011, 532
	MIDDLE STATES.			
1	New York	2, 329, 282, 359	322, 657, 647	2, 651, 940, 006
2	New Jersey	442, 632, 638	129, 885, 723	572, 518, 361
3	Pennsylvania	1, 540, 007, 957	143, 451, 059	1, 683, 459, 016
4	Delaware	50, 302, 739	9, 648, 904	59, 951, 643
5	Maryland	368, 442, 913	128, 864, 762	497, 307, 675
6	District of Columbia	87, 980, 356	11, 421, 431	99, 401, 787
	Total	4, 818, 648, 962	745, 929, 526	5, 564, 578, 488
	SOUTHERN STATES.			
1	Virginia	233, 601, 599	74, 853, 536	308, 455, 135
2	West Virginia	105, 000, 306	34, 622, 399	139, 622, 705
3	North Carolina	101, 709, 326	54, 390, 876	156, 100, 202
4	South Carolina	77, 461, 670	56, 098, 465	133, 560, 135
5	Georgia	139, 983, 941	99, 488, 658	239, 472, 599
6	Florida	18, 885, 151	12, 053, 158	30, 938, 309
7	Alabama	77, 374, 008	45, 493, 220	122, 867, 228
8	Mississippi	79, 469, 530	31, 158, 599	110, 628, 129
9	Louisiana	122, 362, 297	37, 800, 142	160, 162, 439
10	Texas	205, 508, 924	114, 855, 591	320, 364, 515
11	Arkansas	55, 760, 388	30, 648, 976	86, 409, 364
12	Kentucky	265, 085, 908	85, 478, 063	350, 563, 971
13	Tennessee	195, 644, 200	16, 134, 338	211, 778, 538
	Total	1, 677, 847, 248	693, 076, 021	2, 370, 923, 269
	WESTERN STATES.			
1	Ohio	1, 093, 677, 705	440, 682, 803	1, 534, 360, 508
2	Indiana	538, 683, 239	189, 131, 892	727, 815, 131
3	Illinois	575, 441, 053	211, 175, 341	786, 616, 394
4	Michigan	432, 861, 884	84, 804, 475	517, 666, 359
5	Wisconsin	344, 788, 721	94, 183, 030	438, 971, 751
6	Iowa	297, 254, 342	101, 416, 909	398, 671, 251
7	Minnesota	203, 446, 781	54, 581, 906	258, 028, 687
8	Missouri	381, 985, 112	150, 810, 689	532, 795, 801
9	Kansas	108, 432, 049	52, 459, 640	160, 891, 689
10	Nebraska	55, 073, 375	35, 512, 407	90, 585, 782
11	Colorado	35, 604, 197	38, 867, 496	74, 471, 693
12	Nevada	17, 941, 030	11, 350, 429	29, 291, 459
13	Oregon	32, 584, 966	19, 937, 118	52, 522, 084
14	California	466, 273, 585	118, 304, 451	584, 578, 036
	Total	4, 584, 048, 039	1, 603, 218, 586	6, 187, 266, 625
	TERRITORIES.			
1	Arizona	3, 922, 961	5, 347, 253	9, 270, 214
2	Dakota	13, 333, 918	6, 987, 612	20, 321, 530
3	Idaho	2, 297, 526	4, 143, 350	6, 440, 876
4	Montana	5, 077, 162	13, 532, 640	18, 609, 802
5	New Mexico	4, 788, 764	6, 574, 642	11, 363, 406
6	Utah	14, 779, 344	9, 995, 935	24, 775, 279
7	Washington	11, 335, 923	12, 474, 770	23, 810, 693
8	Wyoming	4, 485, 291	9, 136, 538	13, 621, 829
	Total	60, 020, 889	68, 192, 740	128, 213, 629
	Grand total	13, 036, 766, 925	3, 866, 226, 618	16, 902, 993, 543

a The taxes of townships are not included in this sum. Township officers, in so many cases, combined the school-district taxes with those of the township proper that it was found necessary to ignore the reports made by them. The taxes of the township proper thus omitted in the detailed exhibit of states and in the above summary are estimated as follows: Indiana, $1,500,000; Illinois, $5,302,605; Wisconsin, $1,750,000; Iowa, $800,000; Minnesota, $540,349; Kansas, $564,829. These amounts being added to the taxes of corporations exhibited in the tables give the following sums as the total taxation of minor civil divisions for local purposes: Indiana, $5,818,638; Illinois, $16,112,020; Wisconsin, $5,134,882; Iowa, $5,954,229; Minnesota, $2,275,769; Kansas, $2,035,633; and for the group of Western States, $69,999,071. The *total taxation* of the states under consideration is thus increased

county, city, etc., taxation, by states and geographical groups: 1880.

TAXATION.				
State.	County.	Civil divisions less than counties.	Total.	
Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	
1,063,510	324,401	3,794,224	5,182,135	1
395,372	483,978	1,818,290	2,697,640	2
403,286	15,344	1,326,481	1,745,111	3
1,501,182	1,125,901	21,699,794	24,326,877	4
394,238	.....	2,298,477	2,692,715	5
489,125	145,707	4,730,907	5,365,739	6
4,246,713	2,095,331	35,668,173	42,010,217	
7,880,803	6,160,119	42,352,053	56,392,975	1
1,283,711	1,938,318	5,736,036	8,958,065	2
435,578	4,612,165	23,506,591	28,604,334	3
.....	248,275	355,982	604,257	4
860,977	1,893,084	2,683,401	5,437,462	5
1,469,254	.....	.....	1,469,254	6
11,980,323	14,851,961	74,634,063	101,466,347	
1,918,492	1,170,413	1,553,297	4,642,202	1
581,202	769,138	706,639	2,056,979	2
706,903	986,956	222,273	1,916,132	3
743,710	554,164	542,109	1,839,983	4
1,075,099	1,076,421	1,055,488	3,207,008	5
236,930	266,306	101,944	605,180	6
990,346	682,851	388,781	2,061,978	7
553,370	1,595,444	235,661	2,384,475	8
1,771,084	710,573	1,914,219	4,395,876	9
2,188,540	1,685,907	694,269	4,568,716	10
715,238	734,974	388,878	1,839,090	11
1,595,067	1,623,118	1,982,832	5,201,017	12
656,087	1,488,126	644,568	2,788,781	13
13,732,068	13,344,391	10,430,958	37,507,417	
4,480,489	6,131,502	15,144,667	25,756,658	1
2,493,963	4,031,029	*a* 4,318,638	*a* 10,843,630	2
3,195,042	5,278,956	*a* 10,809,415	*a* 19,283,413	3
1,683,560	1,804,512	5,139,877	8,627,949	4
457,453	1,995,990	*a* 3,384,882	*a* 5,838,325	5
827,285	4,280,091	*a* 5,154,229	*a* 10,261,605	6
726,399	1,251,888	*a* 1,735,420	*a* 3,713,707	7
2,125,278	2,885,503	5,258,955	10,269,736	8
883,139	2,060,878	*a* 1,470,804	*a* 4,414,821	9
355,465	1,522,229	914,786	2,792,480	10
372,359	1,209,808	569,841	2,152,008	11
161,101	619,169	91,403	871,673	12
464,229	454,699	195,014	1,113,942	13
3,215,177	4,059,471	5,353,357	12,628,005	14
21,440,939	37,585,725	59,541,288	118,567,952	
55,620	220,471	16,945	293,036	1
101,609	296,692	79,765	478,066	2
48,456	139,088	8,343	195,887	3
55,829	317,337	10,781	383,947	4
56,223	70,719	.....	126,942	5
148,650	155,706	130,882	435,238	6
71,796	393,150	40,471	505,417	7
81,729	136,000	12,499	230,228	8
619,912	1,729,163	299,686	2,648,761	
52,019,955	69,606,571	180,574,168	302,200,694	

to the following amounts (the total of Minnesota being further enlarged as explained afterward): Indiana, $12,343,630; Illinois, $24,586,018; Wisconsin, $7,588,325; Iowa, $11,061,605; Minnesota, $4,346,300; Kansas, $4,979,650; and the grand total of the group of Western States to $129,117,979. The total taxation for the United States of minor civil divisions for local purposes is thus increased to $191,031,951, and the grand total of all taxation for the United States to $312,750,721. It is to be noted in regard to Minnesota that a special state tax (not shown in the tables) laid in the census year upon certain counties, known as the "seed-grain" tax, amounting to $92.244, is likewise included in arriving at the total taxation of that state.

TABLE CXXV.—*Assessed valuation, and state, county, city, etc., taxation, by counties.*

NEW ENGLAND STATES.

MAINE.

NOTE.—The table exhibits the state valuation of 1880. The taxation is for the year ending March 1, 1882, being the first based on this valuation.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, plantation, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State....	173, 856, 242	62, 122, 474	235, 978, 716	1, 063, 510	324, 401	3, 794, 224	5, 182, 135
Androscoggin ...	17, 265, 353	3, 511, 620	20, 776, 973	93, 599	28, 000	352, 562	474, 161
Aroostook	6, 223, 795	1, 341, 137	7, 564, 932	34, 120	16, 000	116, 599	166, 719
Cumberland.....	35, 568, 639	15, 962, 471	51, 530, 510	232, 103	62, 000	813, 387	1, 107, 490
Franklin	4, 593, 929	1, 559, 683	6, 153, 612	27, 739	7, 164	88, 721	123, 624
Hancock.....	5, 919, 881	2, 355, 085	8, 274, 966	37, 333	11, 500	154, 558	203, 391
Kennebec.....	17, 672, 767	5, 619, 397	23 292, 164	104, 947	37, 000	326, 434	468, 381
Knox	6, 846, 154	4, 032, 582	10, 878, 736	49, 045	18, 000	207, 028	274, 073
Lincoln	4, 737, 807	1, 896, 886	6, 634, 693	29, 924	9, 200	126, 908	166, 032
Oxford	7, 765, 335	2, 293, 219	10, 058, 554	45, 352	10, 000	149, 593	204, 945
Penobscot.....	16, 075, 049	5, 333, 102	21, 408, 151	96, 511	40, 000	383, 602	520, 113
Piscataquis	4, 440, 671	815, 075	5, 255, 746	23, 687	6, 000	59, 600	89, 287
Sagadahoc	5, 356, 143	4, 941, 072	10, 297, 215	46, 389	15, 037	185, 622	247, 048
Somerset	9, 224, 384	2, 904, 494	12, 128, 878	54, 667	13, 000	152, 529	220, 196
Waldo	6, 857, 350	2, 720, 484	9, 577, 834	43, 185	16, 000	192, 487	251, 672
Washington	6, 880, 149	2, 841, 643	9, 721, 792	43, 846	13, 000	170, 107	226, 953
York	18, 429, 436	3, 994, 524	22, 423, 960	101, 063	22, 500	314, 487	438, 050

NEW HAMPSHIRE.

NOTE.—The table covers the fiscal year ending March 1, 1880. The valuation as equalized by the state board is used. This board, in adjusting the valuation of property throughout the state, apply an increase or decrease, whenever needed, to the local assessment. In doing this they deal with values in the aggregate only (real and personal combined). As it is not known to the Census Office what amount in each county is applied to one or the other class, it was thought best to add one-half to each, or deduct one-half from each, as might be indicated. This plan of procedure had the approval of Hon. A. B. Thompson, secretary of state. It will be seen, then, that the total valuation for every county is correct, while the subdivision is only approximately correct. The aggregate of state tax is $4,508 less than is reported by the state treasurer. To account for this it should be stated that abatements, in all amounting to $4,660, have been allowed in several towns, and also that the town of Livermore is charged with a tax of $152, this town being omitted in the treasurer's report.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State....	122, 733, 124	42, 022, 057	164, 755, 181	395, 372	483, 978	1, 818, 290	2, 697, 640
Belknap	5, 040, 982	1, 508, 331	6, 549, 313	18, 336	20, 000	86, 103	124, 439
Carroll.....	4, 374, 291	1, 439, 936	5, 814, 227	14, 668	24, 965	90, 085	129, 718
Cheshire.....	11, 454, 239	5, 383, 409	16, 837, 648	37, 184	30, 715	136, 961	204, 860
Coos	4, 525, 195	1, 386, 357	5, 911, 552	13, 332	23, 681	74, 789	111, 802
Grafton.....	11, 353, 636	4, 169, 728	15, 523, 364	35, 572	56, 619	192, 016	284, 207
Hillsborough	31, 466, 095	9, 288, 334	40, 754, 429	95, 864	95, 000	428, 264	619, 128
Merrimack	18, 522, 356	6, 360, 194	24, 882 550	58, 552	78, 000	257, 373	393, 925
Rockingham.....	16, 861, 770	6, 121, 293	22, 983, 072	60, 540	82, 022	257, 215	399, 777
Strafford	13, 065, 238	4, 169, 716	17, 234, 954	39, 856	49, 976	204, 498	294, 330
Sullivan	6, 069, 313	2, 194, 759	8, 264, 072	21, 468	23, 000	90, 986	135, 454

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

VERMONT.

NOTE.—The exhibit is for the fiscal year ending in the spring of 1880, the valuation being that of 1879.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	71,486,623	15,370,152	86,806,775	403,280	15,344	1,326,481	1,745,111
Addison	5,864,689	1,076,247	6,940,936	31,804	809	73,452	106,065
Bennington	4,248,126	795,868	5,043,994	23,886	.....	113,475	137,361
Caledonia	5,420,992	1,674,319	7,095,311	31,760	2,347	109,872	143,979
Chittenden	7,502,010	1,015,322	8,517,332	38,948	.....	159,644	198,592
Essex	1,336,719	114,413	1,451,132	7,047	.....	25,740	32,787
Franklin	6,082,579	937,792	7,020,371	32,862	1,555	97,693	132,110
Grand Isle	834,633	111,896	946,529	4,427	.....	7,129	11,556
Lamoille	2,348,215	278,261	2,626,476	12,780	474	50,714	63,968
Orange	4,529,110	1,033,289	5,562,399	20,734	1,243	85,219	113,196
Orleans	4,133,936	694,036	4,827,972	23,229	545	64,254	88,028
Rutland	9,023,373	2,653,072	11,676,445	53,663	1,336	141,620	196,619
Washington	5,548,777	1,081,870	6,630,647	30,786	6,139	113,108	150,033
Windham	5,938,973	1,663,727	7,602,700	35,321	896	121,614	157,831
Windsor	8,418,703	2,235,340	10,654,043	49,167	.....	162,947	212,114
Gores and unorganized places.	205,788	4,700	210,488	872	.....	.....	872

MASSACHUSETTS.

NOTE.—The table is for the fiscal year ending in the spring of 1881, the valuation being made May 1, 1880, and given as reported to the Hon. Henry B. Peirce, secretary of state. The local reports of valuation sent to the Census Office differ from it in only a few towns, and very slightly in those instances. The amount of state tax given is $1,182 more than was apportioned to the towns by the legislature, which is accounted for by the amounts reported from two newly incorporated towns, viz: Cottage City, Dukes county, $867; Hampden, Hampden county, $315. The county taxes of Dukes and Hampden counties are increased beyond the legislative grants for a similar reason.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	1,111,160,072	473,596,730	1,584,756,802	1,501,182	1,125,901	21,699,794	24,326,877
Barnstable	8,286,717	6,299,266	14,585,983	14,055	23,600	161,355	199,010
Berkshire	23,523,782	9,847,966	33,371,748	33,060	68,000	384,971	486,031
Bristol	61,437,240	38,591,898	100,029,138	94,410	122,500	1,386,333	1,603,243
Dukes	2,588,156	598,058	3,186,214	3,342	9,724	33,437	46,503
Essex	105,411,228	49,830,674	155,241,900	141,195	153,700	2,180,747	2,475,642
Franklin	11,764,327	3,663,996	15,428,323	15,120	28,000	202,531	245,651
Hampden	48,978,721	17,323,010	66,301,731	64,890	77,377	836,281	978,548
Hampshire	17,732,954	6,346,026	24,078,980	22,350	38,000	320,992	381,342
Middlesex	195,785,348	62,607,220	258,392,568	238,800	120,000	3,536,824	3,895,624
Nantucket	1,053,140	1,050,786	2,103,926	1,995	(*a*)	25,010	27,005

a The county and town of Nantucket are coextensive, and the expenses of the former are paid by the latter.

TABLE CXXV.—*Assessed valuation and taxation*—MASSACHUSETTS—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Norfolk	56,481,368	29,984,226	86,465,594	77,925	60,000	980,362	1,118,287
Plymouth	30,227,365	9,431,742	39,659,107	34,095	45,000	480,728	559,823
Suffolk	454,002,051	204,218,570	658,220,621	636,240	260,000	9,346,392	10,242,632
Worcester	93,887,677	33,803,292	127,690,969	123,705	120,000	1,823,831	2,067,536

RHODE ISLAND.

NOTE.—The valuation is the local one reported to the Census Office for the year 1879, with the taxation based upon it, the fiscal year ending in the spring of 1880. The last state valuation (upon which the state tax of 1½ mill is legally based) was made in 1874, and aggregated $328,530,559.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	188,224,459	64,312,214	252,536,673	394,238	.....	2,298,477	2,692,715
Bristol	6,248,175	3,625,250	9,873,425	14,064	.....	53,946	68,010
Kent	11,040,595	4,181,400	15,221,995	21,016	.....	58,042	79,058
Newport	24,267,782	8,766,270	33,034,052	46,854	.....	231,307	278,161
Providence	135,075,687	43,372,782	178,448,469	290,549	.....	1,874,755	2,165,304
Washington	11,592,220	4,366,512	15,958,732	21,755	.....	80,427	102,182

CONNECTICUT.

NOTE.—The table is for the fiscal year ending November 30, 1880. The military poll tax of $2, paid as a commutation for exemption from militia service, and amounting to $104,564, is not included.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, borough, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	228,791,267	98,386,118	327,177,385	489,125	145,707	4,730,907	5,365,739
Fairfield	38,301,115	12,591,904	50,893,019	76,338	50,837	602,977	730,152
Hartford	53,101,534	28,885,195	81,986,729	122,988	81,992	1,543,558	1,748,538
Litchfield	17,110,659	8,315,655	25,426,314	38,140	6,405	265,527	310,072
Middlesex	11,257,080	5,084,026	16,341,106	24,510	6,473	279,580	310,563
New Haven	63,898,975	24,289,381	88,188,356	132,285	.....	1,296,885	1,429,170
New London	26,716,870	12,197,799	38,914,669	58,372	.....	472,252	530,624
Tolland	5,895,199	2,422,828	8,318,027	10,833	.....	119,586	130,419
Windham	12,509,835	4,599,330	17,109,165	25,659	.....	150,542	176,201

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

MIDDLE STATES.

NEW YORK.

NOTE.—The valuations are given as equalized by the boards of supervisors of counties for 1879.

State and counties.	Assessed valuation.			Taxation.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	2, 329, 282, 359	322, 657, 647	2, 651, 940, 006	7, 880, 803	6, 160, 119	42, 352, 053	56, 392, 975
Albany	49, 133, 861	4, 597, 342	53, 731, 203	198, 329	312, 117	948, 751	1, 459, 197
Allegany	12, 515, 556	1, 167, 112	13, 682, 668	32, 648	50, 011	62, 263	144, 922
Broome	17, 105, 862	1, 290, 360	18, 396, 222	37, 657	46, 700	184, 131	268, 488
Cattaraugus	18, 359, 710	1, 623, 377	19, 983, 087	38, 179	38, 500	121, 789	198, 468
Cayuga	26, 722, 462	3, 307, 243	30, 029, 705	71, 121	40, 917	328, 607	440, 645
Chautauqua	24, 950, 394	3, 114, 731	28, 065, 125	61, 114	64, 120	213, 501	338, 735
Chemung	17, 404, 201	678, 715	18, 082, 916	37, 321	62, 283	205, 814	305, 418
Chenango	16, 800, 909	2, 837, 454	19, 638, 363	45, 365	56, 654	227, 405	329, 424
Clinton	8, 485, 950	1, 217, 820	9, 703, 770	24, 385	46, 516	114, 043	184, 944
Columbia	22, 091, 273	4, 833, 845	26, 925, 118	80, 236	88, 964	186, 408	355, 608
Cortland	8, 301, 189	1, 183, 723	9, 484, 912	25, 639	42, 760	86, 589	154, 988
Delaware	11, 135, 106	1, 603, 585	12, 738, 691	32, 611	45, 400	157, 702	235, 713
Duchess	35, 454, 025	6, 808, 629	42, 262, 654	122, 618	135, 695	373, 500	631, 813
Erie	108, 984, 151	9, 470, 470	118, 454, 621	234, 916	539, 193	1, 146, 633	1, 920, 742
Essex	10, 932, 986	833, 142	11, 766, 128	25, 533	33, 249	85, 715	144, 497
Franklin	6, 979, 537	1, 095, 445	8, 074, 982	19, 308	45, 692	59, 682	124, 682
Fulton	3, 379, 950	334, 950	3, 714, 900	15, 244	48, 281	70, 781	134, 306
Genesee	14, 182, 751	2, 490, 654	16, 673, 405	50, 496	20, 151	104, 706	175, 353
Greene	4, 551, 327	548, 888	5, 100, 215	26, 360	67, 479	64, 464	158, 303
Hamilton	581, 207	1, 650	582, 857	2, 291	11, 000	15, 940	29, 231
Herkimer	11, 696, 624	1, 440, 817	13, 137, 441	42, 839	40, 317	115, 658	198, 814
Jefferson	27, 209, 491	3, 970, 151	31, 179, 642	63, 186	129, 647	225, 417	418, 250
Kings	231, 271, 902	13, 285, 075	244, 556, 977	735, 039	1, 170, 115	4, 353, 025	6, 258, 179
Lewis	6, 998, 605	867, 395	7, 866, 000	22, 105	32, 223	62, 761	117, 089
Livingston	20, 794, 145	2, 314, 250	23, 108, 395	51, 655	57, 156	123, 849	232, 660
Madison	17, 422, 822	2, 603, 400	20, 026, 222	43, 167	55, 447	149, 194	247, 808
Monroe	70, 575, 243	3, 321, 690	73, 896, 933	159, 956	222, 187	991, 896	1, 374, 039
Montgomery	10, 669, 213	392, 938	11, 062, 151	43, 514	44, 472	121, 817	209, 803
New York	918, 134, 380	175, 934, 955	1, 094, 069, 335	3, 751, 062	(*a*)	24, 475, 927	28, 226, 989
Niagara	26, 516, 410	1, 891, 561	28, 407, 971	57, 663	86, 161	185, 384	329, 208
Oneida	44, 253, 069	5, 197, 963	49, 451, 032	129, 086	145, 809	417, 830	692, 725
Onondaga	62, 395, 210	8, 205, 326	70, 600, 536	139, 264	146, 108	690, 527	975, 899
Ontario	30, 625, 935	3, 860, 006	34, 485, 941	66, 094	53, 834	146, 654	266, 582
Orange	31, 854, 634	6, 748, 348	38, 602, 982	107, 187	128, 000	344, 186	579, 373
Orleans	15, 879, 874	1, 642, 115	17, 521, 989	37, 979	58, 274	73, 396	169, 649
Oswego	24, 528, 168	1, 439, 775	25, 967, 943	59, 169	135, 505	435, 186	629, 860
Otsego	10, 843, 832	1, 527, 760	12, 371, 592	49, 464	46, 687	134, 231	230, 382
Putnam	6, 811, 304	1, 494, 075	8, 305, 379	19, 920	15, 248	29, 572	64, 740
Queens	35, 985, 710	2, 651, 850	38, 637, 560	111, 740	272, 652	481, 524	865, 916
Rensselaer	23, 834, 519	4, 340, 700	28, 175, 219	119, 998	181, 788	730, 638	1, 032, 424
Richmond	9, 433, 712	463, 050	9, 896, 762	32, 683	168, 245	187, 578	388, 506
Rockland	9, 018, 631	1, 225, 562	10, 244, 193	32, 653	25, 062	83, 467	141, 182
Saint Lawrence	24, 392, 460	2, 022, 125	26, 415, 585	59, 575	78, 393	161, 093	299, 061
Saratoga	20, 041, 148	2, 078, 734	22, 119, 882	54, 559	76, 098	204, 758	335, 415
Schenectady	5, 849, 758	629, 364	6, 479, 122	25, 016	26, 809	98, 552	150, 377
Schoharie	6, 938, 272	862, 795	7, 801, 067	23, 672	36, 449	60, 078	120, 199
Schuyler	6, 633, 736	761, 590	7, 395, 326	16, 622	23, 859	41, 175	81, 656
Seneca	13, 175, 552	1, 857, 542	15, 033, 094	35, 297	27, 229	89, 476	152, 002
Steuben	21, 693, 468	2, 297, 253	23, 990, 721	51, 278	73, 557	212, 733	337, 568
Suffolk	11, 718, 337	1, 735, 600	13, 453, 937	42, 695	40, 302	105, 315	188, 312

a The expenses of the county are paid from the city tax.

TABLE CXXV.—*Assessed valuation and taxation*—NEW YORK—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Sullivan	5,800,588	240,355	6,040,943	12,986	39,348	76,557	128,891
Tioga	12,053,276	860,680	12,913,956	26,021	32,564	123,018	181,603
Tompkins	9,340,782	1,414,208	10,754,990	33,947	27,967	174,333	236,247
Ulster	18,307,087	3,195,136	21,502,223	52,885	219,184	391,790	663,859
Warren	2,212,056	478,815	2,690,871	13,568	29,096	52,292	94,956
Washington	15,866,649	3,091,234	18,957,883	57,577	50,194	107,771	215,542
Wayne	18,820,318	1,649,393	20,469,711	69,205	37,203	155,597	263,005
Westchester	52,095,188	3,579,658	55,674,846	196,446	278,821	831,359	1,306,626
Wyoming	11,840,917	1,236,078	13,076,995	30,510	23,000	88,713	142,223
Yates	7,695,927	809,190	8,505,117	31,150	29,427	59,302	119,879

NEW JERSEY.

NOTE.—The valuation given is the gross valuation of 1880. The net valuation for taxation is the gross valuation less an allowance for the debts of the persons taxed, which amounted in 1880, in round numbers, to $55,000,000. The state taxes given are those levied on the valuation of 1879.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, township, town, borough, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	442,632,638	129,885,723	572,518,361	1,283,711	1,938,318	5,736,036	8,958,065
Atlantic	3,923,132	682,160	4,605,292	10,316	18,075	79,859	108,250
Bergen	13,064,960	2,872,894	15,937,854	32,929	51,000	131,072	215,001
Burlington	21,958,646	9,654,562	31,613,208	64,603	68,000	89,781	222,384
Camden	15,851,344	3,968,217	19,819,561	47,975	100,000	200,266	348,241
Cape May	2,694,734	765,366	3,460,100	8,383	14,090	40,327	62,800
Cumberland	10,156,700	4,388,071	14,544,771	30,592	50,000	94,406	174,998
Essex	86,725,803	20,659,672	107,385,475	259,124	535,930	1,450,194	2,245,248
Gloucester	11,180,963	5,102,500	16,283,463	33,215	43,500	45,263	121,978
Hudson	83,691,050	6,680,919	90,371,969	231,251	230,450	1,871,087	2,332,788
Hunterdon	18,076,602	11,113,510	29,190,112	53,559	76,000	88,305	211,864
Mercer	23,472,372	10,588,108	34,060,480	73,236	75,000	217,986	366,222
Middlesex	15,974,111	3,898,358	19,872,469	45,448	102,450	223,270	371,168
Monmouth	21,282,000	9,446,000	30,728,000	63,597	60,008	114,027	237,632
Morris	17,797,384	5,096,565	22,893,949	52,961	70,000	107,575	230,536
Ocean	2,986,116	933,401	3,919,517	7,210	20,000	22,181	49,391
Passaic	22,963,966	4,390,809	27,354,775	61,670	95,652	429,667	586,989
Salem	10,688,659	6,880,370	17,569,029	33,641	34,000	48,342	115,983
Somerset	14,406,097	6,975,429	21,381,526	41,140	65,000	72,090	178,230
Sussex	9,532,672	4,659,711	14,192,383	24,272	54,048	46,956	125,276
Union	20,781,225	3,422,690	24,203,915	61,495	115,000	283,439	459,934
Warren	15,424,102	7,706,411	23,130,513	47,094	66,115	79,943	193,152

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

PENNSYLVANIA.

NOTE.—The tables exhibit the valuation of all real and personal property that is taxed for state or county purposes. For the purposes of county and local taxation a valuation is made of "salaries, emoluments of office, posts of profit, trades, occupations, and professions". The total amount of such valuation in the state is $68,659,580. This is not included in the tables.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, township, borough, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	1,540,007,957	143,451,059	1,683,459,016	485,578	4,612,165	a 23,506,591	a 28,604,334
Adams	10,493,444	1,267,001	11,760,445	3,708	35,092	b 64,096	b 102,896
Allegheny	167,218,295	3,490,006	170,708,301	15,127	586,441	b 3,234,046	b 3,835,614
Armstrong	8,235,455	555,272	8,790,727	1,766	66,341	b 99,534	b 167,641
Beaver	6,375,546	1,453,512	7,829,058	4,719	59,553	b 97,205	b 161,477
Bedford	7,414,767	746,351	8,161,118	1,914	49,032	b 61,363	b 112,309
Berks	51,985,402	4,380,831	56,366,233	12,747	142,024	b 323,937	b 478,708
Blair	6,653,666	301,796	6,955,462	597	58,992	b 134,130	b 193,719
Bradford	6,636,182	681,177	7,317,359	798	72,107	b 122,799	b 195,704
Bucks	16,912,654	4,067,326	20,979,980	12,133	126,751	b 242,929	b 381,813
Butler	9,640,544	895,618	10,536,162	1,636	53,090	b 135,421	b 190,147
Cambria	4,004,688	219,256	4,223,944	797	44,049	b 88,151	b 132,997
Cameron	713,845	60,629	774,474	159	7,816	16,636	24,611
Carbon	2,780,865	106,389	2,887,254	166	27,950	b 84,572	b 112,688
Centre	9,568,997	640,265	10,209,262	1,427	41,196	b 104,079	b 146,702
Chester	45,040,725	7,275,684	52,316,409	23,737	148,259	b 278,571	b 450,567
Clarion	3,128,201	755,497	3,883,698	2,454	35,781	b 110,041	b 148,276
Clearfield	5,569,973	663,644	6,233,617	1,568	39,156	b 100,255	b 140,979
Clinton	2,993,874	203,159	3,197,033	427	33,252	91,237	124,916
Columbia	4,721,940	451,542	5,173,482	1,025	32,526	b 76,698	b 110,249
Crawford	17,206,521	1,668,949	18,875,470	4,169	131,172	b 239,791	b 375,132
Cumberland	12,223,355	2,054,110	14,277,465	6,748	69,165	b 109,567	b 185,480
Dauphin	14,894,836	1,332,609	16,227,445	3,906	149,670	b 241,769	b 395,345
Delaware	29,082,821	4,164,561	33,247,382	14,171	94,941	b 221,089	b 330,201
Elk	2,358,606	211,559	2,570,165	644	24,764	51,460	76,868
Erie	29,593,541	2,621,479	32,215,020	12,352	62,993	b 367,942	b 443,287
Fayette	15,520,778	895,499	16,416,277	2,073	58,246	b 106,833	b 167,152
Forest	1,255,946	66,899	1,322,845	230	11,970	b 19,003	b 31,203
Franklin	16,090,257	1,589,149	17,679,406	4,876	68,980	b 108,869	b 182,725
Fulton	850,657	126,679	977,336	269	9,667	b 14,198	b 24,134
Greene	7,099,166	485,971	7,585,137	1,000	38,664	b 63,130	b 102,794
Huntingdon	4,753,671	664,975	5,418,646	1,588	53,372	b 74,883	b 129,843
Indiana	9,337,341	951,435	10,288,776	3,612	39,819	b 116,549	b 159,980
Jefferson	1,893,630	290,815	2,184,445	664	21,047	b 62,739	b 84,450
Juniata	2,330,875	187,091	2,517,966	436	20,112	b 47,333	b 67,881
Lackawanna	9,341,089	358,969	9,700,058	337	65,308	294,320	359,965
Lancaster	81,021,210	13,424,996	94,446,206	49,070	251,797	b 379,546	b 680,413
Lawrence	12,370,039	747,414	13,117,453	1,726	47,016	b 97,325	b 146,067
Lebanon	9,960,394	1,762,973	11,723,367	6,005	56,224	b 109,689	b 171,918
Lehigh	27,488,792	3,439,547	30,928,339	11,994	90,847	b 174,062	b 276,903
Luzerne	12,966,108	651,760	13,617,868	1,173	90,592	b 384,110	b 475,875
Lycoming	15,651,308	761,413	16,412,721	1,345	57,722	b 192,294	b 251,361
McKean	10,068,359	319,364	10,387,723	1,440	105,789	103,840	211,069
Mercer	20,461,723	1,055,737	21,517,460	2,121	65,256	b 145,458	b 212,835
Mifflin	3,317,724	424,132	3,741,856	1,301	36,099	46,441	83,841
Monroe	1,256,735	280,779	1,537,614	807	15,840	b 38,983	b 55,630

a Exclusive of the local taxes of 116 townships and one borough, from which no reports were received.
b No report was received from one or more townships (and, in the case of Bedford county, from one borough).

TABLE CXXV.—*Assessed valuation and taxation*—PENNSYLVANIA—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, township, borough, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Montgomery	56, 002, 238	5, 812, 354	61, 814, 592	17, 637	121, 521	*a* 276, 411	*a* 415, 569
Montour	1, 854, 443	241, 474	2, 095, 917	246	15, 186	48, 403	63, 835
Northampton	35, 887, 120	3, 397, 032	39, 284, 152	11, 326	79, 522	*a* 207, 300	*a* 298, 148
Northumberland	6, 770, 532	578, 700	7, 349, 232	1, 622	88, 780	*a* 153, 316	*a* 243, 718
Perry	4, 561, 185	402, 586	4, 963, 771	981	35, 296	50, 326	86, 603
Philadelphia	529, 169, 382	52, 560, 377	581, 729, 759	200, 812	.....	11, 775, 720	11, 976, 532
Pike	751, 650	68, 853	820, 503	223	18, 647	21, 629	40, 499
Potter	1, 060, 785	182, 210	1, 242, 995	389	11, 505	*a* 44, 473	*a* 56, 367
Schuylkill	24, 924, 290	1, 088, 236	26, 012, 526	2, 516	174, 401	*a* 403, 432	*a* 580, 349
Snyder	3, 022, 136	298, 630	3, 320, 766	781	12, 303	*a* 49, 773	*a* 62, 857
Somerset	5, 637, 170	1, 004, 013	6, 641, 183	2, 657	31, 754	64, 562	98, 973
Sullivan	591, 132	62, 944	654, 076	14	7, 245	28, 580	35, 839
Susquehanna	4, 625, 818	458, 634	5, 084, 452	587	29, 694	*a* 86, 985	*a* 117, 266
Tioga	6, 473, 911	671, 533	7, 145, 444	882	49, 367	*a* 107, 592	*a* 157, 841
Union	3, 668, 006	604, 338	4, 272, 344	1, 968	14, 653	39, 556	56, 177
Venango	12, 428, 635	997, 804	13, 426, 439	2, 793	93, 507	*a* 188, 417	*a* 284, 717
Warren	7, 946, 968	790, 925	8, 737, 893	1, 769	34, 265	80, 689	116, 723
Washington	31, 367, 102	1, 251, 368	32, 618, 470	2, 564	80, 278	*a* 145, 524	*a* 228, 366
Wayne	4, 604, 516	456, 836	5, 061, 352	749	32, 536	80, 101	113, 386
Westmoreland	20, 896, 398	1, 120, 426	22, 016, 824	2, 116	115, 566	*a* 162, 910	*a* 280, 592
Wyoming	3, 169, 768	261, 702	3, 431, 470	487	10, 111	*a* 34, 807	*a* 45, 405
York	36, 110, 227	2, 386, 265	38, 496, 492	11, 497	159, 548	*a* 179, 162	*a* 350, 207

a No report was received from one or more townships.

DELAWARE.

NOTE.—The table is for the year ending January 10, 1881.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	50, 302, 739	9, 648, 904	59, 951, 643	.....	248, 275	355, 982	604, 257
Kent	9, 640, 970	848, 904	10, 489, 874	.....	49, 416	27, 242	76, 658
New Castle	*a* 32, 718, 745	*a* 8, 000, 000	*a* 40, 718, 745	.....	163, 875	310, 203	474, 078
Sussex	*a* 7, 943, 024	*a* 800, 000	*a* 8, 743, 024	.....	34, 984	18, 537	53, 521

a The total valuation is given as reported, but the subdivision into real estate and personal property is estimated.

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

MARYLAND.

NOTE.—The table exhibits the valuation of 1879 and the taxation of 1880, except in the case of Baltimore city, where the latter is for 1879.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	368, 442, 913	128, 864, 762	497, 307, 675	860, 977	1, 893, 084	2, 683, 401	5, 437, 462
Allegany	13, 015, 000	5, 360, 000	18, 375, 000	30, 506	134, 063	47, 922	212, 491
Anne Arundel	6, 878, 492	3, 439, 246	10, 317, 738	18, 276	142, 292	18, 237	178, 805
Baltimore	42, 500, 000	15, 094, 616	57, 594, 616	95, 853	369, 309	.....	465, 162
Baltimore city	183, 580, 023	60, 463, 158	244, 043, 181	417, 708	(*a*)	2, 520, 000	2, 937, 708
Calvert	1, 290, 000	860, 000	2, 150, 000	3, 861	15, 884	.....	19, 745
Caroline	*b* 2, 631, 227	*b* 1, 315, 614	3, 946, 841	7, 392	28, 134	150	35, 676
Carroll	11, 215, 334	5, 030, 142	16, 245, 476	28, 941	109, 218	309	138, 468
Cecil	10, 821, 940	3, 081, 294	13, 903, 234	23, 814	83, 419	7, 574	114, 807
Charles	*b* 2, 294, 876	*b* 1, 147, 438	3, 442, 314	6, 352	43, 844	6, 222	56, 418
Dorchester	4, 129, 256	1, 729, 304	5, 858, 560	10, 944	50, 571	1, 647	63, 162
Frederick	17, 421, 745	7, 966, 105	25, 387, 850	44, 822	155, 182	48, 229	248, 233
Garrett	2, 750, 997	916, 999	3, 667, 996	6, 217	34, 145	1, 042	41, 404
Harford	10, 159, 962	2, 031, 992	12, 191, 954	21, 579	96, 950	3, 013	121, 542
Howard	5, 165, 206	2, 582, 603	7, 747, 809	13, 661	47, 487	498	61, 646
Kent	5, 946, 342	1, 567, 856	7, 514, 198	13, 642	62, 151	1, 360	77, 153
Montgomery	6, 293, 074	1, 972, 964	8, 266, 038	14, 752	67, 162	1, 816	83, 730
Prince George's	8, 170, 220	825, 500	8, 995, 720	16, 863	74, 146	1, 553	92, 562
Queen Anne	*b* 4, 522, 068	*b* 2, 261, 034	6, 783, 102	12, 602	53, 178	1, 140	66, 920
Saint Mary's	2, 132, 472	710, 824	2, 843, 296	5, 288	31, 751	233	37, 272
Somerset	3, 000, 000	920, 646	3, 920, 646	7, 179	30, 429	619	38, 227
Talbot	6, 327, 817	2, 499, 148	8, 826, 965	15, 673	57, 375	5, 039	78, 087
Washington	12, 920, 305	4, 450, 000	17, 370, 305	30, 727	143, 417	11, 205	185, 349
Wicomico	2, 448, 692	1, 224, 346	3, 673, 038	6, 727	34, 027	2, 042	42, 796
Worcester	*b* 2, 827, 865	*b* 1, 413, 933	4, 241, 798	7, 598	28, 950	3, 551	40, 099

a The city of Baltimore does not form a part of any county, and therefore is not subject to a county tax.

b The total valuation is given as reported, but the division into real estate and personal property is estimated.

DISTRICT OF COLUMBIA.

The District.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	District.	County.	Minor civil divisions less than counties, exclusive of school districts.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars*
The District	87, 980, 356	11, 421, 431	99, 401, 787	1, 469, 254	.....	.....	1, 469, 254

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

SOUTHERN STATES.

VIRGINIA.

NOTE.—The table is for the fiscal year ending September 30, 1880. The valuations and amounts of taxation set against counties are the sums for the entire area covered by the county, inclusive of cities and towns governed by special laws. This remark would be unnecessary were it not that these corporations pay taxes directly to the state.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	233, 601, 599	74, 853, 536	308, 455, 135	1, 918, 492	1, 170, 413	1, 553, 297	4, 642, 202
Accomac	2, 998, 675	1, 015, 618	4, 014, 293	25, 956	20, 172	2, 783	48, 911
Albemarle	4, 799, 191	1, 723, 657	6, 522, 848	46, 044	45, 753	19, 793	111, 590
Alexandria	3, 698, 932	855, 188	4, 554, 120	31, 113	9, 055	82, 046	122, 214
Alleghany	925, 098	327, 456	1, 252, 554	8, 640	4, 965	1, 068	14, 673
Amelia	906, 881	281, 958	1, 188, 839	9, 363	6, 186	1, 356	16, 905
Amherst	1, 910, 879	414, 866	2, 325, 745	16, 019	16, 141	200	32, 360
Appomattox	866, 818	213, 057	1, 079, 875	7, 997	5, 793	.....	13, 790
Augusta	9, 705, 862	2, 636, 662	12, 342, 524	74, 862	29, 981	49, 707	154, 550
Bath	738, 616	294, 476	1, 033, 092	6, 426	1, 011	494	7, 931
Bedford	3, 194, 263	1, 042, 171	4, 236, 434	29, 971	24, 680	9, 547	64, 198
Bland	454, 299	154, 352	608, 651	4, 094	3, 395	574	8, 063
Botetourt	2, 258, 287	573, 186	2, 831, 473	17, 445	22, 500	1, 925	41, 870
Brunswick	937, 278	299, 750	1, 237, 028	11, 437	14, 915	822	27, 174
Buchanan	340, 965	58, 771	399, 736	2, 376	3, 768	76	6, 220
Buckingham	1, 421, 940	338, 845	1, 760, 785	13, 418	9, 041	956	23, 415
Campbell	7, 246, 867	3, 910, 762	11, 157, 629	52, 147	10, 423	136, 799	199, 369
Caroline	1, 698, 324	494, 060	2, 192, 384	15, 236	7, 064	1, 782	24, 082
Carroll	530, 018	268, 877	798, 895	6, 602	3, 995	286	10, 883
Charles City	596, 907	160, 169	757, 076	5, 205	5, 451	.....	10, 656
Charlotte	1, 604, 914	584, 115	2, 189, 029	15, 857	12, 485	972	29, 314
Chesterfield	4, 179, 321	503, 686	4, 683, 007	29, 506	10, 494	26, 937	66, 937
Clarke	2, 618, 471	520, 592	3, 139, 063	16, 692	16, 156	1, 653	34, 501
Craig	569, 405	146, 697	716, 102	4, 254	3, 591	347	8, 192
Culpeper	2, 168, 476	580, 606	2, 749, 082	17, 494	20, 850	3, 167	41, 511
Cumberland	1, 030, 884	237, 307	1, 268, 191	9, 615	3, 821	2, 380	15, 816
Dickenson	95, 002	21, 742	116, 744	511	*a* 701	.....	1, 212
Dinwiddie	6, 997, 808	3, 432, 462	10, 430, 270	67, 016	10, 939	138, 447	216, 402
Elizabeth City	947, 736	315, 422	1, 263, 158	7, 277	9, 299	639	17, 215
Essex	746, 208	241, 810	988, 018	7, 285	6, 218	1, 089	14, 592
Fairfax	3, 706, 637	607, 371	4, 314, 008	29, 066	82, 430	7, 974	119, 470
Fauquier	7, 364, 318	1, 662, 994	9, 027, 312	53, 071	25, 591	10, 228	88, 890
Floyd	823, 888	263, 736	1, 087, 624	9, 189	6, 300	1, 502	16, 991
Fluvanna	844, 000	331, 467	1, 175, 467	10, 329	11, 333	1, 691	23, 353
Franklin	1, 816, 238	610, 158	2, 426, 396	17, 787	13, 965	2, 670	34, 422
Frederick	4, 771, 860	1, 381, 258	6, 153, 118	35, 568	8, 280	16, 185	60, 033
Giles	958, 949	298, 252	1, 257, 201	8, 954	3, 995	993	13, 942
Gloucester	1, 082, 097	368, 839	1, 450, 936	10, 401	6, 710	1, 080	18, 191
Goochland	1, 342, 799	324, 844	1, 667, 643	10, 797	7, 777	12	18, 586
Grayson	593, 380	233, 025	826, 405	6, 817	4, 074	227	11, 118
Greene	461, 951	175, 606	637, 557	4, 950	3, 899	458	9, 307
Greensville	586, 904	178, 788	765, 692	5, 802	6, 229	420	12, 451
Halifax	2, 832, 208	1, 616, 468	4, 448, 676	28, 917	21, 424	2, 598	52, 939
Hanover	1, 777, 962	530, 125	2, 308, 087	17, 111	8, 560	1, 161	26, 832
Henrico	33, 267, 306	11, 981, 858	45, 249, 164	229, 434	18, 229	556, 875	804, 438
Henry	1, 046, 104	428, 846	1, 474, 950	10, 197	10, 845	1, 362	22, 404
Highland	794, 775	270, 581	1, 065, 356	7, 520	9, 570	616	17, 706
Isle of Wight	1, 172, 607	518, 895	1, 691, 502	10, 982	5, 188	688	16, 858
James City	521, 815	300, 241	822, 056	5, 254	3, 054	3, 384	11, 692
King and Queen	812, 664	315, 480	1, 128, 144	7, 615	4, 777	.....	12, 392
King George	823, 509	217, 806	1, 041, 315	7, 227	5, 819	1, 185	14, 231

a Estimated.

TABLE CXXV.—*Assessed valuation and taxation*—VIRGINIA—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
King William	1,218,303	175,910	1,394,213	8,825	5,006	1,413	15,244
Lancaster	626,761	153,019	779,780	5,487	4,279	377	10,143
Lee	1,011,615	515,586	1,527,201	10,871	6,665	772	18,308
Loudoun	8,943,545	3,178,768	12,122,313	70,797	43,862	9,206	123,865
Louisa	1,742,102	750,510	2,492,612	18,409	7,821	1,131	27,361
Lunenburg	687,671	217,044	904,715	8,074	10,180	688	18,942
Madison	1,677,994	561,291	2,239,285	13,584	8,117	277	21,978
Mathews	566,990	146,526	713,516	5,534	4,282	.....	9,816
Mecklenburg	1,505,492	548,842	2,054,334	18,031	15,724	1,134	34,889
Middlesex	457,802	228,696	686,498	5,347	4,156	44	9,547
Montgomery	2,019,864	552,372	2,572,236	19,313	12,651	3,974	35,938
Nansemond	1,591,741	638,428	2,230,169	14,329	14,066	7,728	36,123
Nelson	1,868,920	439,439	2,308,359	14,823	6,283	474	21,580
New Kent	344,298	140,816	485,114	3,768	6,263	286	10,317
Norfolk	15,495,882	2,221,799	17,717,681	98,963	16,047	252,513	367,523
Northampton	872,748	438,514	1,311,262	8,895	3,417	1,127	13,439
Northumberland	848,270	190,808	1,039,078	6,815	4,704	806	12,325
Nottoway	780,764	268,216	1,048,980	7,764	6,159	700	14,623
Orange	1,900,755	623,405	2,524,160	17,901	11,415	2,884	32,200
Page	1,669,304	421,672	2,090,976	12,066	4,378	2,295	18,739
Patrick	787,256	320,051	1,107,307	8,599	4,639	236	13,474
Pittsylvania	6,401,625	2,193,833	8,595,458	52,347	38,435	57,924	148,706
Powhatan	1,059,505	228,532	1,288,037	8,660	10,046	1,365	20,071
Prince Edward	1,912,255	416,002	2,328,257	15,375	10,450	4,426	30,251
Prince George	955,927	310,988	1,266,915	9,068	5,068	335	14,471
Princess Anne	1,134,552	397,658	1,532,210	10,190	5,933	789	16,912
Prince William	2,025,734	474,696	2,500,430	16,453	7,147	2,422	26,022
Pulaski	1,720,255	538,403	2,258,658	13,391	7,952	1,690	23,033
Rappahannock	1,714,195	1,711,015	3,425,210	17,970	10,438	550	28,958
Richmond	583,815	251,746	835,561	6,091	5,051	859	12,001
Roanoke	2,733,871	407,095	3,140,966	22,767	15,912	7,146	45,825
Rockbridge	3,617,168	1,590,026	5,207,194	31,763	50,443	12,278	94,484
Rockingham	6,747,419	2,070,721	8,818,140	51,319	20,997	21,506	93,822
Russell	969,995	500,000	1,469,995	9,579	9,265	794	19,638
Scott	690,515	420,775	1,111,290	9,809	8,192	1,417	19,418
Shenandoah	3,531,114	914,875	4,445,989	26,905	32,489	7,329	66,723
Smyth	1,603,216	435,801	2,039,017	12,823	9,695	1,730	24,248
Southampton	1,615,904	932,673	2,548,577	16,204	6,972	1,336	24,512
Spotsylvania	2,183,089	734,154	2,917,243	19,077	7,392	22,267	48,736
Stafford	894,289	287,346	1,181,635	8,276	4,483	219	12,978
Surry	739,572	300,530	1,040,102	7,033	5,997	1,000	14,030
Sussex	848,435	54,500	902,935	8,188	11,980	1,319	21,487
Tazewell	1,020,840	330,532	1,351,372	9,743	10,062	2,509	22,314
Warren	1,304,338	312,000	1,616,338	9,746	11,253	2,030	23,029
Warwick	305,027	36,518	341,545	2,225	2,602	241	5,068
Washington	2,886,696	635,657	3,522,353	22,243	23,053	3,114	48,410
Westmoreland	803,468	257,270	1,060,738	7,173	4,597	2,251	14,021
Wise	166,709	95,000	261,709	3,559	*a* 3,262	250	7,071
Wythe	2,634,327	911,778	3,546,105	20,424	20,412	8,384	49,220
York	589,371	106,742	696,113	5,150	3,829	598	9,577

a Partially estimated.

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

WEST VIRGINIA.

NOTE.—The valuation and taxation are for the fiscal year ending September 30, 1880.

State and counties.	Assessed valuation.			Taxation.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	105,000,306	34,622,399	139,622,705	581,202	769,138	706,639	2,056,979
Barbour	1,707,840	541,163	2,249,003	9,150	12,004	5,613	26,767
Berkeley	4,295,945	1,212,584	5,508,529	21,525	24,833	26,900	73,258
Boone	393,000	189,400	582,400	3,430	8,011	2,915	14,356
Braxton	1,292,269	347,393	1,639,662	7,002	12,050	6,071	25,123
Brooke	2,152,603	624,966	2,777,569	9,740	25,415	7,565	42,720
Cabell	2,008,822	550,651	2,559,473	12,106	17,301	26,310	55,717
Calhoun	396,515	141,473	537,988	2,789	4,570	1,185	8,544
Clay	282,685	59,423	342,108	1,607	4,213	1,941	7,761
Doddridge	1,265,424	403,867	1,669,291	7,218	8,011	8,837	24,066
Fayette	1,103,720	271,855	1,375,575	6,764	16,905	7,705	31,374
Gilmer	633,108	253,182	886,290	4,196	4,441	4,335	12,972
Grant	1,449,002	421,977	1,870,979	6,811	7,322	7,204	21,337
Greenbrier	3,280,115	1,142,558	4,422,673	17,189	13,268	13,296	43,753
Hampshire	1,881,033	629,795	2,510,828	9,631	9,078	7,799	26,508
Hancock	1,536,384	451,128	1,987,512	7,015	8,464	8,758	24,237
Hardy	1,790,790	637,332	2,428,122	9,096	3,582	4,823	17,501
Harrison	6,012,889	2,010,220	8,023,109	30,311	25,111	29,651	85,073
Jackson	2,171,898	413,970	2,585,868	10,947	15,748	10,560	37,255
Jefferson	4,669,708	1,509,742	6,179,450	23,301	34,169	35,178	92,648
Kanawha	4,256,963	973,050	5,230,013	26,702	44,312	45,522	116,536
Lewis	2,083,699	684,205	2,767,904	11,799	13,844	12,647	38,290
Lincoln	680,470	214,269	894,739	4,689	7,895	3,556	16,140
Logan	525,818	160,462	686,280	3,487	9,617	2,211	15,315
McDowell	382,818	35,524	418,342	1,844	2,375	321	4,540
Marion	3,031,956	1,209,685	4,241,641	16,515	16,095	13,842	46,452
Marshall	3,880,356	834,800	4,715,156	17,587	27,484	24,105	69,176
Mason	4,471,916	1,303,654	5,775,570	22,045	29,373	26,198	77,616
Mercer	470,669	205,340	676,009	3,394	2,784	2,679	8,857
Mineral	2,094,134	616,212	2,710,346	11,111	10,653	12,918	34,682
Monongalia	3,344,553	1,212,299	4,556,852	17,435	23,174	11,473	52,082
Monroe	2,106,257	679,365	2,785,622	10,970	11,523	8,620	31,113
Morgan	751,435	328,653	1,080,088	4,923	8,004	6,682	19,609
Nicholas	466,628	213,075	679,703	3,518	4,651	4,321	12,490
Ohio	11,953,390	5,245,780	17,199,170	73,447	82,660	122,977	279,084
Pendleton	1,157,540	430,413	1,587,953	6,466	18,868	4,148	29,482
Pleasants	772,590	354,203	1,126,793	4,760	6,843	6,088	17,691
Pocahontas	1,310,351	265,110	1,575,461	5,921	11,646	4,870	22,437
Preston	2,136,080	901,243	3,037,323	13,122	15,037	16,063	44,222
Putnam	1,416,504	326,790	1,743,294	7,677	14,772	10,660	33,109
Raleigh	661,099	193,837	854,936	3,861	4,590	3,353	11,804
Randolph	896,247	195,575	1,091,822	5,008	(*a*)	6,061	11,069
Ritchie	1,272,826	574,631	1,847,457	8,037	15,756	10,555	34,348
Roane	838,661	263,813	1,102,474	5,574	8,818	5,428	19,820
Summers	593,861	228,091	821,952	5,063	6,349	5,043	16,455
Taylor	2,316,915	1,021,850	3,338,765	12,593	5,695	13,500	31,788
Tucker	418,703	60,999	479,702	2,035	6,903	2,297	11,235
Tyler	1,342,691	503,285	1,845,976	7,769	8,761	8,501	25,031
Upshur	1,782,260	520,206	2,302,466	9,040	11,112	5,130	25,282
Wayne	1,478,198	457,844	1,936,042	8,364	8,486	5,635	22,485
Webster	267,609	70,304	337,913	1,888	3,302	1,362	6,552
Wetzel	1,317,469	314,679	1,632,148	8,405	16,490	16,634	41,529
Wirt	745,721	229,665	975,386	4,322	16,687	4,701	25,710
Wood	4,747,855	1,903,860	6,651,715	28,947	34,192	60,343	123,482
Wyoming	702,314	76,949	779,263	3,056	5,891	1,549	10,496

a No report received, and no data obtainable from which to form an estimate.

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

NORTH CAROLINA.

NOTE.—The valuation is that of 1879, upon which the taxation exhibited is based.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	101,709,326	54,390,876	156,100,202	706,903	986,956	222,273	1,916,132
Alamance	1,281,390	990,858	2,272,248	9,810	8,324	150	18,284
Alexander	488,425	224,575	713,000	3,536	2,502	.....	6,038
Alleghany	293,551	309,050	602,601	2,854	3,145	.....	5,999
Anson	947,903	608,828	1,556,731	6,458	19,923	1,028	27,409
Ashe	664,430	395,504	1,059,934	5,439	5,810	.....	11,249
Beaufort	1,277,227	512,811	1,790,038	8,231	8,622	1,718	18,571
Bertie	1,202,097	533,131	1,735,228	7,739	7,811	450	16,000
Bladen	499,963	513,257	1,013,220	5,153	6,453	.....	11,606
Brunswick	556,702	278,109	834,811	3,289	4,419	.....	7,708
Buncombe	1,866,615	770,106	2,636,721	10,881	20,308	4,600	35,789
Burke	639,458	249,039	888,497	4,234	10,455	.....	14,689
Cabarrus	1,478,061	775,927	2,253,988	9,548	12,925	713	23,186
Caldwell	635,025	328,089	963,114	4,783	6,702	401	11,886
Camden	363,439	149,405	512,844	2,513	5,861	.....	8,374
Carteret	365,169	162,985	528,154	2,611	6,499	585	9,695
Caswell	1,172,941	870,899	2,043,840	9,029	5,402	1,024	15,455
Catawba	1,384,161	668,770	2,052,931	8,562	3,021	1,989	13,572
Chatham	1,675,560	820,688	2,496,248	12,626	13,767	58	26,451
Cherokee	442,902	164,625	607,527	3,054	2,541	.....	5,595
Chowan	579,101	238,809	817,910	3,715	5,550	1,400	10,665
Clay	148,764	105,497	254,261	1,245	1,830	.....	3,075
Cleaveland	1,091,895	517,466	1,609,361	7,535	18,543	.....	26,078
Columbus	397,911	708,769	1,106,680	5,925	6,763	160	12,848
Craven	1,605,595	579,021	2,184,616	8,895	26,498	6,325	41,718
Cumberland	1,566,221	814,181	2,380,402	10,065	21,053	10,000	41,118
Currituck	327,592	190,113	517,705	2,192	3,026	.....	5,218
Dare	111,507	98,577	210,084	1,140	2,507	.....	3,647
Davidson	1,556,109	749,750	2,305,859	10,053	12,826	775	23,654
Davie	786,065	438,141	1,224,206	6,576	7,417	365	14,358
Duplin	911,886	500,096	1,411,982	6,605	7,311	440	14,356
Edgecombe	2,614,947	1,610,183	4,225,130	17,644	19,513	4,692	41,849
Forsyth	1,531,314	1,361,938	2,893,252	10,298	12,422	5,275	27,995
Franklin	1,741,985	702,822	2,444,807	11,661	31,101	890	43,652
Gaston	1,349,483	668,522	2,018,005	8,663	5,889	460	15,012
Gates	456,345	333,423	789,768	3,502	3,302	.....	6,804
Graham	112,805	47,221	160,026	1,058	2,788	.....	3,846
Granville	2,155,377	1,288,408	3,443,785	16,044	17,221	6,900	40,165
Greene	944,667	506,129	1,450,796	6,583	2,280	46	8,909
Guilford	2,402,025	1,437,921	3,839,946	17,734	11,188	5,850	34,772
Halifax	2,087,189	1,024,610	3,111,799	11,261	14,918	1,057	27,236
Harnett	557,516	284,831	842,347	4,515	4,664	30	9,209
Haywood	591,457	327,335	918,792	5,145	6,408	.....	11,553
Henderson	766,358	259,908	1,026,266	5,631	16,349	151	22,131
Hertford	848,875	441,843	1,290,718	5,468	8,440	350	14,258
Hyde	397,285	288,620	685,905	4,001	6,438	.....	10,439

TABLE CXXV.—*Assessed valuation and taxation*—NORTH CAROLINA—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Iredell	1,689,989	966,061	2,656,050	11,362	18,953	400	30,715
Jackson	320,763	150,715	471,478	2,367	3,974	.....	6,341
Johnston	1,888,427	984,393	2,872,820	12,404	13,438	368	26,210
Jones	490,605	160,820	651,425	3,581	3,884	.....	7,465
Lenoir	1,143,985	467,184	1,611,169	7,651	13,150	1,030	21,831
Lincoln	1,140,704	530,027	1,670,731	6,758	8,664	125	15,547
McDowell	444,071	133,906	577,977	2,835	5,053	.....	7,888
Macon	435,021	280,761	715,782	3,980	5,467	.....	9,447
Madison	441,638	236,089	677,727	4,257	6,784	.....	11,041
Martin	952,639	478,554	1,431,193	7,194	6,287	225	13,706
Mecklenburg	3,560,120	2,017,732	5,577,852	23,070	63,898	16,293	103,261
Mitchell	173,968	109,888	283,856	2,340	4,976	.....	7,316
Montgomery	519,726	338,314	858,040	3,916	7,002	.....	10,918
Moore	1,016,901	548,832	1,565,733	7,487	*a* 10,960	451	18,898
Nash	1,434,225	711,146	2,145,371	8,032	7,079	130	15,241
New Hanover	3,513,134	1,443,833	4,956,967	19,599	52,511	83,298	155,408
Northampton	1,588,959	845,872	2,434,831	10,875	11,715	65	22,655
Onslow	624,646	313,729	938,375	3,827	5,594	.....	9,421
Orange	2,007,025	1,005,977	3,013,002	13,049	10,601	5,727	29,377
Pamlico	300,236	126,226	426,462	2,017	8,931	.....	10,948
Pasquotank	863,662	308,438	1,172,100	6,362	13,260	2,200	21,822
Pender	922,659	255,948	1,178,607	5,835	6,258	.....	12,093
Perquimans	720,533	301,510	1,022,043	5,701	9,519	260	15,480
Person	922,568	566,656	1,489,224	6,853	8,986	.....	15,839
Pitt	1,706,293	945,516	2,651,809	12,287	10,454	639	23,380
Polk	397,280	113,561	510,841	2,177	2,310	.....	4,487
Randolph	1,516,037	896,877	2,412,914	14,904	10,567	.....	25,471
Richmond	1,119,311	766,557	1,885,868	8,549	21,312	160	30,021
Robeson	1,414,181	749,457	2,163,638	10,797	9,332	751	20,880
Rockingham	1,432,916	960,706	2,393,622	10,105	15,089	375	25,569
Rowan	2,014,529	1,043,641	3,058,170	11,905	12,120	4,675	28,700
Rutherford	955,807	406,858	1,362,665	7,183	15,737	.....	22,920
Sampson	1,062,616	596,357	1,658,973	8,135	9,024	455	17,614
Stanley	619,020	395,537	1,014,557	5,224	5,328	.....	10,552
Stokes	784,737	363,437	1,148,174	5,496	11,465	.....	16,961
Surry	969,327	452,335	1,421,662	6,304	6,694	.....	12,998
Swain	213,850	72,895	286,745	1,452	1,662	.....	3,114
Transylvania	389,231	151,025	540,256	2,722	6,292	.....	9,014
Tyrrell	222,629	169,986	392,615	1,695	2,025	71	3,791
Union	1,284,833	824,328	2,109,161	9,181	21,791	834	31,806
Wake	5,857,054	3,215,830	9,072,884	36,581	31,129	41,677	109,387
Warren	1,365,629	776,941	2,142,570	9,590	666	.....	10,256
Washington	453,479	210,393	663,872	3,689	3,536	280	7,505
Watauga	472,581	233,074	705,655	3,796	3,740	.....	7,536
Wayne	2,213,130	1,060,446	3,273,576	15,826	14,818	3,664	34,308
Wilkes	707,309	343,647	1,050,956	5,970	9,555	.....	15,525
Wilson	1,548,449	1,039,525	2,587,974	10,503	9,080	238	19,821
Yadkin	783,643	357,358	1,141,001	5,545	10,138	.....	15,683
Yancey	213,958	111,188	325,146	2,431	5,413	.....	7,844

a Estimated.

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

SOUTH CAROLINA.

NOTE.—The table is for the year ending October 31, 1879.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	77,461,670	56,098,465	133,560,135	743,710	554,164	542,109	1,839,983
Abbeville	2,862,865	1,818,760	4,681,625	27,339	19,897	650	47,886
Aiken	2,218,096	3,487,364	5,735,460	30,366	31,545	1,717	63,628
Anderson	2,622,113	1,793,892	4,416,005	24,988	13,248	1,756	39,992
Barnwell	2,864,400	2,191,825	5,056,225	29,098	30,338	1,006	60,442
Beaufort	1,779,382	1,147,850	2,927,182	17,532	8,782	5,622	31,936
Charleston	16,946,917	11,047,138	27,994,055	136,859	104,978	453,595	695,432
Chester	1,815,854	1,692,059	3,507,913	18,898	13,330	2,043	34,271
Chesterfield	757,023	540,576	1,297,599	8,251	7,786	.....	16,037
Clarendon	790,304	540,602	1,330,906	8,537	5,324	288	14,149
Colleton	1,644,077	2,465,406	4,109,483	25,232	16,438	250	41,920
Darlington	1,949,867	1,518,881	3,468,748	20,887	20,812	5,765	47,464
Edgefield	2,199,589	1,358,427	3,558,007	21,675	16,011	1,700	39,386
Fairfield	2,080,128	1,732,105	3,812,233	21,999	11,437	1,521	34,957
Georgetown	1,205,257	527,994	1,733,251	10,234	9,533	8,571	28,338
Greenville	3,142,345	2,374,695	5,517,040	30,546	16,551	11,500	58,597
Hampton	850,131	716,020	1,566,151	9,764	7,831	70	17,665
Horry	583,786	683,243	1,267,029	8,151	3,801	.....	11,952
Kershaw	1,246,315	608,393	1,854,708	9,398	9,274	4,250	22,922
Lancaster	960,160	455,055	1,415,215	8,865	8,491	.....	17,356
Laurens	1,932,975	806,025	2,739,000	16,933	15,612	1,300	33,845
Lexington	1,301,611	1,339,815	2,641,426	15,119	7,924	88	23,131
Marion	2,097,273	1,451,726	3,548,999	20,415	17,745	.....	38,160
Marlborough	1,461,080	548,710	2,009,790	12,285	12,561	362	25,208
Newberry	2,516,590	1,539,085	4,055,675	22,970	18,251	1,422	42,643
Oconee	929,055	961,512	1,890,567	10,764	7,562	934	19,260
Orangeburgh	2,039,820	1,178,520	3,218,340	20,432	11,264	2,000	33,696
Pickens	853,448	681,467	1,534,915	9,088	4,605	275	13,968
Richland	3,380,610	2,048,273	5,428,883	27,996	21,716	26,000	75,712
Spartanburgh	3,996,780	2,648,790	6,645,570	35,894	29,905	4,488	70,287
Sumter	2,490,324	1,252,974	3,743,298	22,385	14,973	2,569	39,927
Union	2,039,051	1,087,900	3,126,951	17,550	9,381	572	27,503
Williamsburgh	936,038	1,780,458	2,716,496	15,685	12,224	491	28,400
York	2,938,465	2,072,925	5,011,390	27,575	15,034	1,304	43,913

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

GEORGIA.

NOTE.—The table is for the fiscal year ending September 30, 1880. The school tax of $1 on polls, although known locally as a county tax, since the proceeds are retained in the counties, is here considered a state tax, as the rate is uniform, and the levy obligatory throughout the state. In twelve counties the county tax is given for the year ending September 30, 1879, as returns for the year 1880 were not accessible. The following are the names of such counties: Appling, Baker, Bryan, Coffee, Columbia, Dodge, Dooly, Jefferson, Madison, Pickens, Spalding, and White.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	139, 983, 941	99, 488, 658	239, 472, 599	1, 075, 099	1, 076, 421	1, 055, 488	3, 207, 008
Appling	268, 162	544, 154	812, 316	4, 158	3, 655	900	8, 713
Baker	393, 012	197, 871	590, 883	3, 209	8, 154	525	11, 888
Baldwin	818, 574	327, 430	1, 146, 004	5, 772	14, 554	3, 515	23, 841
Banks	544, 125	298, 615	842, 740	4, 048	2, 360	.....	6, 408
Bartow	2, 014, 814	1, 244, 976	3, 259, 790	14, 403	11, 409	3, 682	29, 494
Berrien	432, 660	509, 580	942, 240	4, 451	2, 356	.....	6, 807
Bibb	5, 473, 218	3, 286, 244	8, 759, 462	36, 352	77, 016	62, 220	175, 588
Brooks	1, 003, 278	829, 271	1, 832, 549	8, 258	6, 414	1, 086	15, 758
Bryan	224, 887	203, 201	428, 088	2, 277	4, 281	.....	6, 558
Bulloch	481, 335	569, 063	1, 050, 398	5, 051	4, 202	.....	9, 253
Burke	1, 404, 220	904, 297	2, 308, 517	11, 958	8, 080	.....	20, 038
Butts	541, 003	324, 916	865, 919	4, 389	4, 503	.....	8, 892
Calhoun	393, 190	283, 620	676, 810	3, 467	3, 046	67	6, 580
Camden	326, 690	211, 782	538, 472	2, 838	2, 827	625	6, 290
Campbell	868, 167	580, 842	1, 449, 009	6, 739	4, 347	315	11, 401
Carroll	1, 235, 719	751, 969	1, 987, 688	9, 912	6, 957	1, 438	18, 307
Catoosa	556, 825	248, 290	805, 115	3, 632	2, 818	.....	6, 450
Charlton	75, 543	141, 650	217, 193	1, 117	3, 258	.....	4, 375
Chatham	10, 504, 294	7, 167, 928	17, 672, 222	69, 012	101, 389	321, 058	491, 459
Chattahoochee	319, 153	185, 265	504, 418	2, 595	2, 648	.....	5, 243
Chattooga	840, 603	611, 642	1, 452, 245	6, 853	4, 357	.....	11, 210
Cherokee	1, 103, 253	588, 956	1, 692, 209	8, 199	5, 923	.....	14, 122
Clarke	1, 916, 080	2, 514, 185	4, 430, 265	17, 374	15, 506	27, 747	60, 627
Clay	421, 532	338, 589	760, 121	3, 506	6, 043	.....	9, 549
Clayton	784, 112	441, 779	1, 225, 891	5, 640	4, 291	837	10, 768
Clinch	312, 530	353, 523	666, 053	3, 123	1, 748	.....	4, 871
Cobb	2, 042, 647	1, 295, 832	3, 338, 479	14, 352	15, 023	3, 877	33, 252
Coffee	286, 900	510, 648	797, 548	3, 630	1, 595	.....	5, 225
Colquitt	115, 107	179, 527	294, 634	1, 437	1, 031	.....	2, 468
Columbia	627, 185	265, 220	892, 405	5, 037	5, 801	.....	10, 838
Coweta	1, 783, 805	1, 179, 210	2, 963, 015	13, 807	7, 408	1, 527	22, 742
Crawford	452, 848	259, 486	712, 334	3, 833	3, 206	.....	7, 039
Dade	419, 361	272, 031	691, 392	3, 085	1, 728	.....	4, 813
Dawson	344, 464	223, 137	567, 601	2, 777	1, 419	.....	4, 196
Decatur	1, 066, 266	959, 459	2, 025, 725	9, 811	8, 863	5, 475	24, 149
De Kalb	1, 666, 522	706, 464	2, 372, 986	10, 709	8, 305	175	19, 189
Dodge	299, 771	381, 473	681, 244	3, 618	5, 109	292	9, 019
Dooly	770, 205	558, 024	1, 328, 229	6, 526	3, 985	469	10, 980
Dougherty	1, 539, 819	858, 695	2, 398, 514	10, 260	10, 913	8, 139	29, 312
Douglas	477, 457	220, 005	697, 462	3, 716	1, 395	200	5, 311
Early	425, 804	379, 504	805, 308	4, 133	3, 221	135	7, 489
Echols	111, 099	133, 797	244, 896	1, 272	1, 224	.....	2, 496
Effingham	338, 907	301, 888	640, 795	3, 229	2, 243	.....	5, 472
Elbert	791, 418	553, 131	1, 344, 549	6, 669	5, 109	1, 400	13, 178
Emanuel	510, 941	736, 230	1, 247, 171	6, 055	6, 236	.....	12, 291
Fannin	262, 762	170, 071	432, 833	2, 497	2, 164	.....	4, 661
Fayette	561, 959	301, 809	863, 768	4, 368	4, 751	.....	9, 119
Floyd	3, 026, 480	2, 167, 103	5, 193, 583	21, 115	20, 774	19, 865	61, 754
Forsyth	723, 454	503, 789	1, 227, 243	6, 012	3, 682	80	9, 774
Franklin	802, 075	425, 572	1, 227, 647	5, 943	4, 297	.....	10, 240

TABLE CXXV.—*Assessed valuation and taxation*—GEORGIA—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Fulton	13,035,429	7,308,096	20,343,525	77,128	91,546	270,578	439,252
Gilmer	343,601	213,446	557,047	3,137	2,228	.....	5,365
Glascock	260,536	154,617	415,153	2,019	2,698	.....	4,717
Glynn	847,837	322,807	1,170,644	5,014	6,146	13,944	25,104
Gordon	1,265,896	561,028	1,826,924	8,283	6,394	.....	14,677
Greene	1,156,607	935,747	2,092,354	10,003	10,462	700	21,165
Gwinnett	1,452,892	952,797	2,405,689	11,387	9,021	254	20,662
Habersham	516,116	318,823	834,939	4,341	3,757	354	8,452
Hall	1,273,277	800,921	2,074,198	8,456	6,223	2,707	17,386
Hancock	1,319,401	1,047,997	2,367,398	10,583	11,837	900	23,320
Haralson	396,806	233,443	630,249	3,175	3,151	45	6,371
Harris	1,095,459	694,614	1,790,073	8,743	6,265	.....	15,008
Hart	561,561	425,220	986,781	4,914	1,480	.....	6,394
Heard	601,367	332,173	933,540	4,645	7,002	237	11,884
Henry	1,006,479	641,153	1,647,632	7,873	6,591	1,100	15,564
Houston	1,529,213	768,351	2,297,564	11,296	12,637	650	24,583
Irwin	218,117	298,398	516,515	2,294	1,550	.....	3,844
Jackson	1,028,041	752,131	1,780,172	8,817	8,901	.....	17,718
Jasper	696,569	436,926	1,133,495	5,869	6,461	450	12,780
Jefferson	1,135,703	930,903	2,066,606	9,749	8,266	1,410	19,425
Johnson	278,789	252,413	531,202	2,652	2,125	.....	4,777
Jones	719,281	379,568	1,098,849	5,531	3,846	.....	9,377
Laurens	539,966	511,965	1,051,931	5,307	6,838	800	12,945
Lee	650,750	328,560	979,310	5,006	7,198	.....	12,204
Liberty	413,264	474,929	888,193	4,655	888	.....	5,543
Lincoln	425,906	245,827	671,733	3,301	2,291	.....	5,592
Lowndes	716,891	581,715	1,298,606	6,742	5,194	.....	11,936
Lumpkin	322,095	217,209	539,304	2,860	2,697	.....	5,557
McDuffie	541,921	263,532	805,453	4,065	5,235	632	9,932
McIntosh	511,369	213,989	725,358	3,318	3,627	.....	6,945
Macon	736,733	591,074	1,327,807	6,421	6,506	371	13,298
Madison	545,187	337,656	882,843	4,334	3,090	.....	7,424
Marion	507,508	352,080	859,588	4,352	3,009	.....	7,361
Meriwether	975,710	527,952	1,503,662	7,819	6,579	130	14,528
Miller	152,999	181,028	334,027	1,772	1,871	.....	3,643
Milton	476,698	364,294	840,992	3,997	3,364	.....	7,361
Mitchell	736,400	457,500	1,193,900	5,719	8,775	250	14,744
Monroe	1,435,993	763,289	2,199,282	10,432	9,622	2,450	22,504
Montgomery	313,223	417,408	730,631	3,430	2,557	.....	5,987
Morgan	1,326,813	763,798	2,090,611	9,387	5,227	200	14,814
Murray	703,268	371,297	1,074,565	5,129	3,761	.....	8,890
Muscogee	3,677,195	3,957,680	7,634,875	28,962	22,905	43,222	95,089
Newton	1,104,585	919,440	2,024,025	9,027	7,970	1,000	17,997
Oconee	480,839	297,096	777,935	3,672	2,723	.....	6,395
Oglethorpe	970,768	630,712	1,601,480	7,760	8,007	113	15,880
Paulding	762,597	448,244	1,210,841	6,003	4,238	.....	10,241
Pickens	320,117	208,352	528,469	2,876	3,171	.....	6,047
Pierce	220,144	324,139	544,283	2,724	1,905	.....	4,629
Pike	1,374,766	982,282	2,357,048	10,591	7,071	4,023	21,685
Polk	1,042,963	630,842	1,673,805	7,809	5,272	320	13,401
Pulaski	836,153	730,074	1,566,227	7,724	10,180	1,530	19,434
Putnam	1,063,684	618,972	1,682,656	7,691	8,413	.....	16,104
Quitman	313,128	272,950	586,078	2,836	2,344	.....	5,180
Rabun	181,250	134,927	316,177	1,818	3,162	.....	4,980
Randolph	918,624	723,460	1,642,084	8,236	7,389	2,859	18,484
Richmond	8,514,102	6,814,350	15,328,452	59,581	61,788	195,754	317,123
Rockdale	723,856	437,139	1,160,995	5,095	4,296	1,064	10,455
Schley	345,891	207,592	553,483	2,767	2,401	.....	5,168
Screven	445,381	636,341	1,081,722	5,867	8,113	.....	13,980
Spalding	1,256,340	761,539	2,017,879	8,689	10,089	10,053	28,831

TABLE CXXV.—*Assessed valuation and taxation*—GEORGIA—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Stewart	879, 822	575, 074	1, 454, 896	7, 395	5, 820	.....	13, 215
Sumter	1, 640, 088	1, 351, 810	2, 991, 898	13, 279	9, 424	10, 372	33, 075
Talbot	827, 442	436, 576	1, 264, 018	6, 353	5, 688	550	12, 591
Taliaferro	421, 550	262, 530	684, 080	3, 511	1, 915	.....	5, 426
Tattnall	396, 121	534, 238	930, 359	4, 483	2, 931	.....	7, 414
Taylor	461, 450	353, 763	815, 213	3, 902	3, 995	450	8, 347
Telfair	342, 317	316, 365	658, 682	3, 137	4, 018	200	7, 355
Terrell	659, 089	617, 316	1, 276, 405	6, 484	6, 382	.....	12, 866
Thomas	1, 521, 848	1, 014, 571	2, 536, 419	11, 451	8, 877	3, 946	24, 274
Towns	140, 292	107, 985	248, 277	1, 383	621	.....	2, 004
Troup	1, 621, 141	1, 362, 710	2, 983, 851	12, 484	11, 935	8, 773	33, 192
Twiggs	400, 826	252, 821	653, 647	3, 771	5, 131	.....	8, 902
Union	246, 379	183, 191	429, 570	2, 497	1, 289	.....	3, 786
Upson	777, 806	666, 851	1, 444, 657	7, 203	12, 280	.....	19, 483
Walker	1, 128, 565	625, 326	1, 753, 891	7, 928	3, 508	50	11, 486
Walton	1, 309, 960	1, 052, 950	2, 362, 910	10, 763	8, 270	1, 325	20, 358
Ware	217, 427	333, 189	550, 616	2, 726	3, 304	.....	6, 030
Warren	706, 269	508, 001	1, 214, 270	5, 964	3, 157	400	9, 521
Washington	1, 633, 066	1, 173, 185	2, 806, 251	13, 311	21, 047	1, 865	36, 223
Wayne	236, 309	434, 669	670, 978	3, 295	2, 348	.....	5, 643
Webster	369, 303	256, 483	625, 786	3, 076	2, 190	.....	5, 266
White	285, 118	194, 781	479, 899	2, 457	1, 176	.....	3, 633
Whitfield	1, 225, 746	695, 244	1, 920, 990	8, 477	5, 763	3, 332	17, 572
Wilcox	189, 314	213, 258	402, 572	1, 920	1, 610	.....	3, 530
Wilkes	1, 337, 902	1, 447, 185	2, 785, 087	12, 211	6, 406	.....	18, 617
Wilkinson	685, 629	523, 566	1, 209, 195	6, 492	4, 232	476	11, 200
Worth	294, 873	330, 472	625, 345	3, 239	3, 127	.....	6, 366

FLORIDA.

NOTE.—The table is for the fiscal year ending December 31, 1879.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	18, 885, 151	12, 053, 158	30, 938, 309	236, 930	266, 306	101, 944	605, 180
Alachua	1, 166, 119	614, 671	1, 780, 790	13, 914	16, 614	474	31, 002
Baker	81, 445	96, 953	178, 398	1, 413	1, 322	.....	2, 735
Bradford	398, 518	297, 929	696, 447	5, 213	3, 509	1, 200	9, 922
Brevard	97, 702	114, 622	212, 324	1, 740	1, 483	.....	3, 223
Calhoun	54, 310	79, 798	134, 108	1, 100	1, 032	.....	2, 132
Clay	359, 314	114, 003	473, 317	3, 552	3, 789	.....	7, 341
Columbia	447, 011	298, 628	745, 639	5, 973	7, 368	1, 238	14, 579
Dade	23, 990	7, 023	31, 013	248	233	.....	481
Duval	3, 246, 561	2, 006, 981	5, 253, 542	38, 909	41, 209	54, 740	134, 858
Escambia	1, 116, 595	765, 464	1, 882, 059	13, 666	16, 487	13, 668	43, 821

TABLE CXXV.—*Assessed valuation and taxation*—FLORIDA—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Franklin	126, 701	78, 082	204, 783	1, 574	1, 879	1, 000	4, 453
Gadsden	533, 952	270, 250	804, 202	6, 392	6, 593	.....	12, 985
Hamilton	328, 446	279, 992	608, 438	4, 837	3, 283	.....	8, 120
Hernando	209, 991	213, 899	423, 890	3, 325	3, 954	.....	7, 279
Hillsborough	368, 667	382, 680	751, 347	5, 759	5, 008	326	11, 093
Holmes	20, 005	64, 148	84, 153	741	823	.....	1, 564
Jackson	641, 940	399, 340	1, 041, 280	8, 279	8, 794	1, 650	18, 723
Jefferson	937, 285	446, 705	1, 383, 990	11, 095	14, 555	1, 229	26, 879
Lafayette	88, 762	164, 364	253, 126	1, 998	2, 123	.....	4, 121
Leon	1, 236, 125	483, 969	1, 720, 094	12, 625	21, 188	.....	33, 813
Levy	347, 475	198, 730	546, 205	4, 197	3, 527	1, 164	8, 888
Liberty	113, 218	58, 510	171, 728	1, 306	1, 395	.....	2, 701
Madison	760, 420	455, 150	1, 215, 570	9, 910	14, 772	537	25, 219
Manatee	109, 878	501, 238	611, 116	4, 558	5, 465	.....	10, 023
Marion	698, 826	484, 038	1, 182, 864	9, 123	12, 080	828	22, 031
Monroe	820, 540	438, 655	1, 259, 195	9, 462	6, 314	9, 733	25, 509
Nassau	685, 688	280, 882	966, 570	7, 058	9, 959	5, 438	22, 455
Orange	781, 468	309, 739	1, 091, 207	8, 116	7, 570	589	16, 275
Polk	86, 209	232, 205	318, 414	2, 405	3, 043	.....	5, 448
Putnam	803, 021	224, 009	1, 027, 030	7, 938	7, 431	2, 321	17, 690
Saint John's	665, 082	159, 968	825, 050	6, 190	6, 593	3, 530	16, 313
Santa Rosa	297, 845	380, 365	678, 210	5, 313	7, 348	1, 610	14, 271
Sumter	300, 570	220, 190	520, 760	4, 014	4, 274	226	8, 514
Suwannee	261, 450	258, 580	520, 030	4, 272	4, 422	.....	8, 694
Taylor	35, 547	82, 175	117, 722	1, 002	943	.....	1, 945
Volusia	360, 475	169, 502	529, 977	4, 002	4, 798	443	9, 243
Wakulla	166, 633	102, 591	269, 224	2, 132	1, 996	.....	4, 128
Walton	55, 076	189, 430	244, 506	2, 047	1, 315	.....	3, 362
Washington	52, 291	127, 700	179, 991	1, 532	1, 815	.....	3, 347

ALABAMA.

NOTE.—The valuation of property is given as returned on specially prepared schedules by the judges of probate.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	77, 374, 008	45, 493, 220	122, 867, 228	990, 346	682, 851	388, 781	2, 061, 978
Autauga	680, 345	708, 465	1, 388, 810	10, 987	6, 944	1, 247	19, 178
Baldwin	413, 415	517, 908	931, 323	6, 960	2, 894	.....	9, 854
Barbour	1, 539, 572	1, 008, 503	2, 548, 075	20, 541	26, 471	5, 848	52, 860
Bibb	560, 549	197, 630	758, 179	6, 446	6, 824	.....	13, 270
Blount	702, 581	392, 732	1, 095, 313	9, 309	5, 000	608	14, 917
Bullock	1, 749, 205	1, 364, 154	3, 113, 359	24, 632	22, 916	1, 382	48, 930
Butler	1, 030, 770	944, 981	1, 975, 751	14, 897	5, 927	4, 475	25, 299
Calhoun	1, 308, 119	712, 590	2, 020, 709	16, 595	7, 072	900	24, 567
Chambers	1, 201, 138	649, 922	1, 851, 060	15, 208	5, 553	705	21, 466
Cherokee	1, 012, 607	370, 603	1, 383, 210	12, 036	9, 683	.....	21, 719

TABLE CXXV.—*Assessed valuation and taxation*—ALABAMA—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Chilton	364, 588	504, 851	869, 439	6, 745	4, 347	.....	11, 092
Choctaw	598, 783	384, 762	983, 545	8, 085	5, 373	.....	13, 458
Clarke	678, 304	367, 611	1, 045, 915	8, 723	7, 489	.....	16, 212
Clay	495, 358	160, 109	655, 467	6, 690	4, 500	810	11, 400
Cleburne	406, 022	122, 091	528, 113	4, 801	2, 639	.....	7, 440
Coffee	240, 708	147, 557	388, 265	2, 923	3, 698	.....	6, 621
Colbert	1, 217, 861	644, 634	1, 862, 495	14, 258	9, 306	1, 263	24, 827
Conecuh	329, 679	394, 361	724, 040	6, 036	7, 240	696	13, 972
Coosa	598, 329	287, 373	885, 702	8, 075	5, 576	.....	13, 651
Covington	97, 182	89, 379	186, 561	1, 985	3, 460	.....	5, 445
Crenshaw	385, 582	197, 733	583, 315	5, 632	5, 250	50	10, 932
Cullman	239, 730	204, 065	443, 795	3, 880	4, 882	288	9, 050
Dale	480, 910	241, 383	722, 293	6, 423	5, 055	.....	11, 478
Dallas	3, 390, 714	2, 420, 628	5, 811, 342	44, 514	23, 331	37, 500	105, 345
De Kalb	413, 020	153, 804	566, 824	5, 960	3, 122	.....	9, 082
Elmore	788, 745	513, 260	1, 302, 005	11, 599	9, 073	769	21, 441
Escambia	150, 000	480, 000	630, 000	4, 817	5, 512	.....	10, 329
Etowah	859, 295	468, 017	1, 327, 312	10, 965	9, 218	2, 534	22, 717
Fayette	398, 004	171, 493	569, 497	5, 076	3, 000	.....	8, 076
Franklin	515, 685	176, 872	692, 557	6, 111	5, 917	.....	12, 028
Geneva	114, 100	101, 593	215, 693	2, 093	2, 434	.....	4, 527
Greene	1, 350, 250	675, 374	2, 025, 624	16, 274	10, 128	1, 400	27, 802
Hale	1, 613, 037	874, 559	2, 487, 596	17, 876	18, 885	4, 077	40, 838
Henry	708, 616	372, 577	1, 081, 193	9, 463	5, 406	185	15, 054
Jackson	1, 491, 774	1, 034, 873	2, 526, 647	20, 328	7, 600	250	28, 178
Jefferson	2, 469, 990	956, 925	3, 426, 915	25, 746	18, 847	11, 041	55, 634
Lamar	424, 250	167, 935	592, 185	5, 339	3, 841	140	9, 320
Lauderdale	1, 173, 670	581, 673	1, 755, 343	14, 696	3, 199	2, 100	19, 995
Lawrence	1, 585, 003	669, 307	2, 254, 310	17, 768	8, 560	238	26, 566
Lee	1, 323, 843	1, 058, 858	2, 382, 701	18, 813	11, 911	2, 893	33, 617
Limestone	2, 156, 841	473, 607	2, 630, 448	20, 202	7, 891	2, 041	30, 134
Lowndes	1, 959, 614	1, 029, 345	2, 988, 959	23, 921	25, 552	1, 020	50, 493
Macon	1, 019, 086	714, 175	1, 733, 261	13, 338	8, 666	900	22, 904
Madison	2, 338, 403	1, 283, 756	3, 622, 159	36, 178	30, 000	19, 177	85, 355
Marengo	1, 602, 493	752, 864	2, 355, 357	19, 371	9, 421	1, 400	30, 192
Marion	198, 892	97, 082	295, 974	2, 849	801	.....	3, 650
Marshall	702, 390	266, 993	969, 383	8, 137	6, 107	142	14, 386
Mobile	10, 008, 336	6, 530, 151	16, 538, 487	118, 551	82, 792	188, 381	389, 724
Monroe	547, 755	306, 615	854, 370	8, 038	7, 518	.....	15, 556
Montgomery	5, 447, 634	3, 433, 603	8, 881, 237	75, 011	48, 846	68, 837	192, 694
Morgan	1, 035, 634	565, 442	1, 601, 076	13, 172	6, 404	.....	19, 576
Perry	1, 774, 262	774, 251	2, 548, 513	20, 467	12, 744	4, 700	37, 911
Pickens	796, 472	434, 298	1, 230, 770	10, 763	9, 231	150	20, 144
Pike	955, 530	733, 972	1, 689, 502	13, 881	14, 438	5, 650	33, 969
Randolph	464, 581	130, 996	595, 577	5, 599	6, 316	.....	11, 915
Russell	1, 396, 207	434, 599	1, 830, 806	14, 667	10, 355	.....	25, 022
Saint Clair	541, 996	337, 840	879, 836	7, 941	4, 400	.....	12, 341
Shelby	872, 314	995, 798	1, 868, 112	13, 098	6, 538	1, 700	21, 336
Sumter	1, 683, 060	1, 100, 820	2, 783, 880	21, 886	17, 760	2, 257	41, 903
Talladega	1, 677, 872	882, 222	2, 560, 094	21, 504	10, 240	3, 700	35, 444
Tallapoosa	1, 100, 862	510, 758	1, 611, 620	14, 336	6, 377	300	21, 013
Tuscaloosa	1, 622, 568	971, 608	2, 594, 176	19, 368	12, 934	6, 127	38, 429
Walker	393, 076	137, 073	530, 149	4, 545	2, 650	.....	7, 195
Washington	195, 023	463, 481	658, 504	4, 991	4, 199	.....	9, 190
Wilcox	1, 711, 576	605, 215	2, 316, 791	18, 720	11, 288	900	30, 908
Winston	70, 198	35, 511	105, 709	1, 107	1, 300	.....	2, 407

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

MISSISSIPPI.

NOTE.—The table is for the year 1879.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	79, 469, 530	31, 158, 599	110, 628, 129	553, 370	1, 595, 444	235, 661	2, 384, 475
Adams	2, 612, 751	872, 148	3, 484, 899	15, 685	78, 040	38, 425	132, 150
Alcorn	882, 328	355, 220	1, 237, 548	6, 365	17, 375	5, 403	29, 143
Amite	902, 227	378, 485	1, 280, 712	6, 442	24, 518	372	31, 332
Attala	1, 037, 698	420, 387	1, 458, 085	7, 874	22, 622	1, 655	32, 151
Benton	528, 276	209, 383	737, 659	4, 180	9, 758	620	14, 558
Bolivar	1, 966, 642	415, 131	2, 381, 773	11, 195	43, 913	54	55, 162
Calhoun	557, 056	553, 247	1, 110, 303	5, 732	16, 333	690	22, 755
Carroll	1, 110, 283	534, 983	1, 645, 266	8, 403	24, 807	.....	33, 210
Chickasaw	1, 190, 363	522, 316	1, 712, 679	8, 773	33, 059	4, 325	46, 157
Choctaw	403, 599	208, 534	612, 133	3, 454	8, 195	.....	11, 649
Claiborne	1, 331, 521	628, 974	1, 960, 495	9, 536	23, 696	2, 550	35, 782
Clarke	620, 819	446, 384	1, 067, 203	5, 492	11, 849	920	18, 261
Clay	1, 160, 967	364, 812	1, 525, 779	7, 956	19, 053	3, 000	30, 009
Coahoma	1, 304, 173	356, 800	1, 660, 973	8, 738	22, 004	.....	30, 742
Copiah	2, 048, 325	1, 091, 046	3, 139, 371	14, 629	38, 993	1, 940	55, 562
Covington	203, 866	161, 031	364, 897	2, 140	6, 506	.....	8, 646
De Soto	1, 767, 586	648, 437	2, 416, 023	12, 091	21, 107	544	33, 742
Franklin	360, 572	151, 490	512, 062	2, 940	9, 142	.....	12, 082
Greene	77, 177	119, 998	197, 175	975	2, 478	.....	3, 453
Grenada	963, 558	420, 027	1, 383, 585	6, 643	19, 289	2, 900	28, 832
Hancock	530, 520	332, 850	863, 370	3, 688	12, 916	3, 282	19, 886
Harrison	710, 379	175, 855	886, 234	3, 946	8, 672	1, 710	14, 328
Hinds	3, 486, 177	1, 120, 613	4, 606, 790	22, 311	65, 224	1, 713	89, 248
Holmes	1, 883, 207	782, 506	2, 665, 713	13, 303	49, 268	1, 330	63, 901
Issaquena	1, 158, 354	255, 840	1, 414, 194	6, 876	23, 673	.....	30, 549
Itawamba	364, 542	192, 264	556, 806	3, 486	7, 960	.....	11, 446
Jackson	433, 702	264, 384	698, 086	3, 693	8, 726	.....	12, 419
Jasper	565, 532	285, 654	851, 186	4, 812	7, 660	.....	12, 472
Jefferson	928, 945	313, 843	1, 242, 788	6, 358	29, 725	994	37, 075
Jones	90, 846	103, 244	194, 090	1, 195	3, 232	.....	4, 427
Kemper	760, 385	361, 902	1, 122, 287	6, 374	14, 956	.....	21, 330
La Fayette	1, 538, 456	764, 949	2, 303, 405	11, 677	30, 261	.....	41, 938
Lauderdale	1, 323, 746	715, 461	2, 039, 207	10, 089	24, 077	6, 922	41, 088
Lawrence	387, 545	224, 657	612, 202	3, 273	6, 572	.....	9, 845
Leake	474, 898	217, 146	692, 044	4, 188	11, 554	.....	15, 742
Lee	1, 207, 224	554, 318	1, 761, 542	9, 159	25, 168	1, 789	36, 116
Le Flore	1, 451, 007	349, 666	1, 800, 673	8, 286	22, 580	.....	30, 866
Lincoln	802, 217	400, 651	1, 202, 868	6, 056	25, 037	1, 981	33, 074
Lowndes	2, 101, 901	773, 933	2, 875, 834	14, 333	26, 121	756	41, 210
Madison	2, 115, 909	732, 904	2, 848, 813	13, 232	41, 261	.....	54, 493
Marion	147, 654	191, 752	339, 406	1, 921	4, 542	.....	6, 463
Marshall	2, 341, 852	618, 739	2, 960, 591	14, 566	32, 544	6, 029	53, 139
Monroe	1, 941, 337	825, 690	2, 767, 027	14, 315	37, 709	10, 500	62, 524
Montgomery	724, 143	384, 815	1, 108, 958	5, 838	19, 525	3, 600	28, 963
Neshoba	350, 948	174, 436	525, 384	3, 041	8, 255	.....	11, 296
Newton	566, 214	273, 967	840, 181	4, 791	8, 781	.....	13, 572
Noxubee	2, 170, 713	884, 693	3, 055, 406	16, 124	41, 997	307	58, 428
Oktibbeha	885, 754	343, 126	1, 228, 880	6, 746	21, 299	1, 500	29, 545
Panola	2, 449, 775	1, 034, 966	3, 484, 741	16, 480	29, 592	2, 969	49, 041
Perry	74, 826	164, 229	239, 055	1, 302	2, 678	.....	3, 980

TABLE CXXV.—*Assessed valuation and taxation*—MISSISSIPPI—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Pike	1,064,844	445,339	1,510,183	7,495	20,559	5,148	33,202
Pontotoc	724,779	304,378	1,029,157	5,274	14,539	.....	19,813
Prentiss	757,626	288,635	1,046,261	5,574	11,300	1,242	18,116
Quitman	693,872	26,164	720,036	2,822	9,822	.....	12,644
Rankin	780,631	391,254	1,171,885	6,335	15,653	925	22,913
Scott	538,257	355,707	893,964	4,644	10,052	460	15,156
Sharkey	864,717	164,031	1,028,748	4,824	18,202	550	23,576
Simpson	244,231	178,253	422,484	1,479	11,526	.....	13,005
Smith	249,036	154,321	403,357	2,527	5,840	.....	8,367
Sumner	356,996	200,037	557,033	3,360	10,105	.....	13,465
Sunflower	985,087	191,092	1,176,179	5,016	17,643	.....	22,659
Tallahatchie	692,894	230,720	923,614	5,007	22,220	85	27,312
Tate	1,567,205	441,629	2,008,834	9,732	20,557	2,063	32,352
Tippah	569,034	247,100	816,134	4,611	8,678	215	13,504
Tishomingo	495,603	228,410	724,013	3,654	9,019	1,093	13,766
Tunica	612,684	147,477	760,161	4,223	10,642	.....	14,865
Union	665,703	206,109	871,812	5,079	14,205	.....	19,284
Warren	3,972,559	1,047,374	5,019,933	22,402	81,979	96,714	201,095
Washington	2,423,517	725,100	3,148,617	15,754	56,231	8,658	80,643
Wayne	237,364	155,322	392,686	2,192	7,770	.....	9,962
Wilkinson	1,046,687	448,999	1,495,686	7,401	26,383	.....	33,784
Winston	492,397	218,906	711,303	3,908	12,167	250	16,325
Yalobusha	1,087,936	485,461	1,573,397	8,064	15,661	9,478	33,203
Yazoo	3,347,376	1,198,895	4,546,271	21,291	60,391	.....	81,682

LOUISIANA.

NOTE.—The table is for the year 1879.

State and parishes.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	Parish.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	122,362,297	37,800,142	160,162,439	1,771,084	710,573	1,914,219	4,395,876
Ascension	1,159,245	348,305	1,507,550	16,730	15,076	2,800	34,606
Assumption	1,207,220	443,540	1,650,760	18,318	17,224	.....	35,542
Avoyelles	1,284,232	485,040	1,769,272	19,666	21,231	1,438	42,335
Bienville	306,659	272,551	579,210	6,529	9,530	.....	16,059
Bossier	866,481	349,089	1,215,570	13,573	10,940	.....	24,513
Caddo	2,564,285	647,435	3,211,720	35,492	28,800	19,561	83,853
Calcasieu	415,130	627,490	1,042,620	11,618	15,639	.....	27,257
Caldwell	285,240	103,020	388,260	4,358	4,151	200	8,709
Cameron	148,203	160,301	308,504	3,479	3,085	.....	6,564
Catahoula	462,350	261,820	724,170	8,181	8,690	.....	16,871

TABLE CXXV.—*Assessed valuation and taxation*—LOUISIANA—Continued.

State and parishes.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	Parish.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Claiborne	768, 152	531, 463	1, 299, 615	14, 566	18, 195	1, 400	34, 161
Concordia	1, 034, 963	231, 800	1, 266, 763	13, 987	27, 869	1, 000	42, 856
De Soto	768, 935	339, 329	1, 108, 264	12, 384	11, 083	405	23, 872
East Baton Rouge	1, 943, 168	450, 350	2, 393, 518	26, 538	19, 148	6, 131	51, 817
East Carroll	1, 124, 766	253, 743	1, 378, 509	15, 278	14, 385	.....	29, 663
East Feliciana	775, 904	235, 431	1, 011, 335	11, 227	10, 000	1, 500	22, 727
Franklin	641, 445	175, 519	816, 964	9, 074	8, 170	.....	17, 244
Grant	256, 990	124, 850	381, 840	4, 267	3, 818	.....	8, 085
Iberia	899, 575	257, 206	1, 156, 781	12, 906	11, 568	1, 214	25, 688
Iberville	1, 835, 125	435, 870	2, 270, 995	25, 196	22, 710	4, 067	51, 973
Jackson	183, 891	134, 768	318, 659	3, 574	3, 000	.....	6, 574
Jefferson	1, 762, 410	146, 785	1, 909, 195	21, 095	10, 228	1, 152	32, 475
La Fayette	386, 010	159, 425	545, 435	6, 082	6, 000	330	12, 412
Lafourche	1, 460, 755	432, 215	1, 892, 970	21, 116	18, 930	2, 500	42, 546
Lincoln	313, 495	186, 860	500, 355	5, 712	5, 004	210	10, 926
Livingston	376, 080	148, 100	524, 180	5, 788	6, 814	.....	12, 602
Madison	1, 564, 210	402, 250	1, 966, 460	21, 722	38, 701	.....	60, 423
Morehouse	1, 146, 163	300, 028	1, 446, 191	16, 086	15, 199	914	32, 199
Natchitoches	949, 145	400, 075	1, 349, 220	15, 048	10, 119	2, 404	27, 571
Orleans	71, 424, 382	20, 369, 968	91, 794, 350	1, 011, 113	.....	1, 859, 257	2, 870, 370
Ouachita	1, 668, 870	1, 068, 515	2, 737, 385	30, 340	16, 938	.....	47, 278
Plaquemines	1, 743, 870	166, 275	1, 910, 145	21, 094	19, 101	.....	40, 195
Point Coupée	883, 915	269, 135	1, 153, 050	12, 767	9, 224	.....	21, 991
Rapides	1, 486, 245	653, 745	2, 139, 990	23, 667	21, 400	1, 200	46, 267
Red River	402, 125	153, 385	555, 510	6, 165	8, 000	.....	14, 165
Richland	700, 190	277, 035	977, 225	10, 848	10, 308	.....	21, 156
Sabine	202, 357	119, 620	321, 977	3, 566	3, 128	.....	6, 694
Saint Bernard	492, 530	56, 747	549, 277	6, 053	7, 459	.....	13, 512
Saint Charles	994, 180	124, 135	1, 118, 315	12, 366	11, 183	.....	23, 549
Saint Helena	296, 595	139, 115	435, 710	4, 882	4, 375	.....	9, 257
Saint James	1, 458, 433	305, 733	1, 759, 166	19, 499	17, 592	.....	37, 091
Saint John Baptist	1, 140, 943	267, 557	1, 408, 500	15, 613	12, 677	.....	28, 290
Saint Landry	1, 953, 440	1, 118, 440	3, 071, 880	34, 206	25, 300	2, 134	61, 640
Saint Martin	854, 030	158, 970	1, 013, 000	11, 321	12, 147	.....	23, 468
Saint Mary	2, 287, 790	365, 850	2, 653, 640	29, 328	26, 536	2, 034	57, 898
Saint Tammany	405, 969	152, 193	558, 162	6, 189	5, 582	.....	11, 771
Tangipahoa	618, 670	442, 670	1, 061, 340	11, 753	12, 738	.....	24, 491
Tensas	1, 147, 430	325, 910	1, 473, 340	16, 412	29, 467	.....	45, 879
Terrebonne	1, 639, 780	293, 420	1, 933, 200	21, 462	2, 009	1, 200	24, 671
Union	581, 530	343, 487	925, 017	10, 436	9, 250	800	20, 486
Vermillion	429, 727	340, 608	770, 335	8, 764	9, 244	368	18, 376
Vernon	80, 835	119, 562	199, 897	2, 252	1, 999	.....	4, 251
Washington	99, 969	91, 226	191, 195	2, 163	3, 528	.....	5, 691
Webster	552, 822	379, 675	932, 497	10, 435	9, 325	.....	19, 760
W. Baton Rouge	854, 523	185, 700	1, 040, 223	11, 549	12, 483	.....	24, 032
West Carroll	246, 391	76, 641	323, 032	3, 601	4, 071	.....	7, 672
West Feliciana	701, 334	265, 982	967, 316	10, 817	7, 673	.....	18, 490
Winn	128, 695	124, 185	252, 880	2, 883	2, 529	.....	5, 362

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

TEXAS.

NOTE.—The tabular exhibit is for the year ending August 31, 1880.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	205, 508, 924	114, 855, 591	320, 364, 515	2, 188, 540	1, 685, 907	694, 269	4, 568, 716
Anderson	1, 583, 534	966, 946	2, 550, 480	18, 812	28, 133	2, 750	49, 695
Angelina	512, 785	183, 660	696, 445	5, 264	3, 903	.....	9, 167
Aransas	306, 094	244, 351	550, 445	3, 081	1, 400	250	4, 731
Archer	1, 906	208, 754	210, 660	1, 286	1, 100	.....	2, 386
Atascosa	548, 262	274, 767	823, 029	5, 411	4, 938	.....	10, 349
Austin	1, 813, 991	881, 025	2, 695, 016	18, 891	8, 132	.....	27, 023
Bandera	247, 625	179, 007	426, 632	2, 826	3, 000	.....	5, 826
Bastrop	1, 726, 986	1, 086, 136	2, 813, 122	20, 149	10, 000	434	30, 583
Baylor	329, 929	59, 811	389, 740	2, 225	641	.....	2, 866
Bee	607, 840	485, 233	1, 093, 073	6, 360	3, 013	.....	9, 373
Bell	2, 771, 320	1, 007, 235	3, 778, 555	26, 127	10, 425	2, 000	38, 552
Bexar	7, 625, 324	2, 486, 513	10, 111, 837	54, 252	35, 000	82, 963	172, 215
Blanco	453, 491	297, 270	750, 761	5, 044	5, 000	.....	10, 044
Bosque	1, 245, 688	691, 875	1, 937, 563	13, 648	11, 245	.....	24, 893
Bowie	1, 007, 787	1, 025, 077	2, 032, 864	13, 588	5, 198	1, 750	20, 536
Brazoria	1, 624, 017	720, 829	2, 344, 846	15, 991	12, 780	.....	28, 771
Brazos	1, 279, 596	867, 474	2, 147, 070	15, 595	8, 000	1, 400	24, 995
Brown	958, 679	523, 863	1, 482, 542	10, 320	7, 744	.....	18, 064
Burleson	1, 170, 537	319, 820	1, 490, 357	10, 864	4, 720	.....	15, 584
Burnet	953, 264	456, 146	1, 409, 410	8, 410	6, 776	.....	15, 186
Caldwell	1, 237, 794	714, 084	1, 951, 878	14, 100	9, 058	.....	23, 158
Calhoun	255, 794	572, 406	828, 200	4, 767	7, 290	.....	11, 957
Callahan	387, 869	277, 510	665, 379	4, 556	2, 000	.....	6, 556
Cameron	817, 260	983, 690	1, 800, 950	13, 075	11, 447	6, 445	30, 967
Camp	465, 222	307, 564	772, 786	5, 794	1, 975	.....	7, 769
Cass	779, 653	761, 421	1, 541, 074	13, 391	18, 000	600	31, 991
Chambers	176, 234	172, 586	348, 820	2, 524	3, 200	.....	5, 724
Cherokee	994, 629	587, 653	1, 582, 282	13, 566	8, 540	.....	22, 106
Clay	715, 846	695, 201	1, 411, 047	9, 119	8, 500	.....	17, 619
Coleman	646, 790	499, 630	1, 146, 420	7, 352	6, 531	.....	13, 883
Collin	3, 669, 989	1, 533, 543	5, 203, 532	36, 511	30, 000	5, 000	71, 511
Colorado	1, 757, 040	1, 198, 780	2, 955, 820	19, 851	10, 435	500	30, 786
Comal	941, 085	396, 115	1, 337, 200	8, 338	10, 545	1, 507	20, 390
Comanche	884, 345	415, 315	1, 299, 660	9, 696	10, 000	500	20, 196
Concho	258, 471	163, 342	421, 813	2, 572	1, 680	.....	4, 252
Cooke	1, 724, 654	1, 053, 644	2, 778, 298	21, 787	19, 244	1, 600	42, 631
Coryell	1, 375, 696	429, 346	1, 805, 042	12, 877	4, 000	.....	16, 877
Dallas	5, 600, 320	2, 841, 010	8, 441, 330	54, 748	65, 000	62, 744	182, 492
Delta	570, 604	214, 533	785, 137	8, 819	5, 011	.....	13, 830
Denton	2, 250, 530	997, 226	3, 247, 756	22, 966	16, 000	765	39, 731
De Witt	1, 327, 738	864, 851	2, 192, 589	14, 301	8, 500	.....	22, 801
Duval	659, 806	703, 661	1, 363, 467	8, 195	51, 130	.....	59, 325
Eastland	371, 143	184, 547	555, 690	4, 234	6, 100	.....	10, 334
Ellis	4, 034, 733	1, 775, 981	5, 810, 714	34, 410	10, 700	2, 699	47, 809
El Paso	582, 427	214, 649	797, 076	5, 146	1, 302	.....	6, 448
Erath	1, 149, 744	502, 379	1, 652, 123	12, 345	9, 065	.....	21, 410
Falls	2, 302, 052	1, 101, 454	3, 403, 506	23, 509	11, 000	.....	34, 509
Fannin	2, 685, 674	1, 494, 839	4, 180, 513	29, 587	13, 577	1, 520	44, 684
Fayette	3, 232, 454	1, 802, 389	5, 034, 843	32, 996	14, 000	2, 952	49, 948
Fort Bend	1, 797, 319	1, 263, 703	3, 061, 022	18, 288	7, 056	.....	25, 344
Franklin	353, 030	189, 210	542, 240	4, 461	3, 000	.....	7, 461
Freestone	1, 224, 848	635, 304	1, 860, 152	14, 667	9, 632	.....	24, 299
Frio	343, 523	293, 566	637, 089	3, 790	5, 984	.....	9, 774
Galveston	11, 299, 108	4, 231, 676	15, 530, 784	89, 766	114, 355	223, 573	427, 694
Gillespie	687, 870	372, 265	1, 060, 135	7, 168	3, 594	.....	10, 762

TABLE CXXV.—*Assessed valuation and taxation*—TEXAS—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Goliad	865,745	635,319	1,501,064	9,205	5,772	5,665	20,642
Gonzales	1,751,131	1,206,152	2,957,283	19,858	13,262	.....	33,120
Grayson	4,352,986	2,707,760	7,060,746	49,370	48,247	50,570	148,187
Gregg	584,308	538,008	1,122,316	8,503	10,400	.....	18,903
Grimes	1,447,074	873,627	2,320,701	17,218	12,000	1,500	30,718
Guadalupe	1,684,037	906,473	2,590,510	16,166	13,164	.....	29,330
Hamilton	731,912	339,506	1,071,418	7,835	6,000	.....	13,835
Hardin	256,287	90,696	346,983	2,597	555	.....	3,152
Harris	5,549,262	3,343,952	8,893,214	51,071	40,150	107,046	198,267
Harrison	1,934,262	1,276,362	3,210,624	23,756	50,077	7,000	80,833
Hayes	1,141,440	509,720	1,651,160	10,878	7,975	.....	18,853
Henderson	828,717	419,401	1,248,118	9,952	4,375	.....	14,327
Hidalgo	203,933	191,508	395,441	2,502	2,408	.....	4,910
Hill	2,161,835	923,435	3,085,270	21,794	15,650	.....	37,444
Hood	705,691	386,189	1,091,880	7,746	5,660	.....	13,406
Hopkins	1,367,280	731,163	2,098,443	16,657	12,000	869	29,526
Houston	1,284,052	898,236	2,182,288	16,836	10,000	3,862	30,698
Hunt	1,749,792	711,297	2,461,089	18,690	6,200	285	25,175
Jack	686,474	439,027	1,125,501	8,088	8,000	.....	16,088
Jackson	503,718	459,237	962,955	5,702	2,639	.....	8,341
Jasper	284,388	205,250	489,638	4,264	4,800	.....	9,064
Jefferson	453,778	674,852	1,128,630	6,654	2,827	.....	9,481
Johnson	2,280,694	986,774	3,267,468	23,517	11,606	1,856	36,979
Karnes	583,132	373,238	956,370	5,894	3,590	.....	9,484
Kaufman	2,125,028	1,314,329	3,439,357	23,491	9,587	.....	33,078
Kendall	462,774	187,795	650,569	4,297	3,542	.....	7,839
Kerr	327,470	195,652	523,122	3,536	3,000	.....	6,536
Kimble	244,675	200,700	445,375	2,851	1,091	.....	3,942
Kinney	259,497	291,847	551,344	4,421	5,348	.....	9,769
Lamar	3,026,698	1,858,922	4,885,620	35,368	29,719	6,531	71,618
Lampasas	794,184	375,002	1,169,186	7,892	6,300	2,595	16,787
Lavaca	1,695,078	874,432	2,569,510	17,817	5,721	.....	23,538
Lee	1,138,409	559,367	1,697,776	11,769	7,226	425	19,420
Leon	783,190	547,224	1,330,414	10,925	5,423	.....	16,348
Liberty	463,689	524,614	988,303	6,589	6,918	.....	13,507
Limestone	1,888,353	1,235,271	3,123,624	21,667	18,000	.....	39,667
Live Oak	317,296	274,291	591,587	3,382	2,952	.....	6,334
Llano	474,571	441,875	916,446	6,435	6,873	.....	13,308
McCulloch	333,274	276,589	609,863	3,735	2,868	.....	6,603
McLennan	4,694,397	2,078,397	6,772,794	44,217	16,000	6,000	66,217
McMullen	256,910	164,532	421,442	2,369	4,500	.....	6,869
Madison	392,578	248,208	640,786	5,026	7,125	.....	12,151
Marion	759,303	755,925	1,515,228	10,932	18,500	.....	29,432
Mason	370,642	319,844	690,486	4,472	5,079	.....	9,551
Matagorda	591,620	617,409	1,209,029	7,454	6,600	.....	14,054
Maverick	306,673	346,584	653,257	4,198	9,056	.....	13,254
Medina	775,015	349,998	1,125,013	7,060	9,155	552	16,767
Menard	272,671	196,704	469,375	2,783	5,500	.....	8,283
Milam	1,927,172	854,160	2,781,332	20,601	7,910	.....	28,511
Montague	951,025	569,669	1,520,694	12,263	16,807	.....	29,070
Montgomery	837,903	639,102	1,477,005	10,461	7,684	.....	18,145
Morris	247,200	248,410	495,610	4,268	3,214	.....	7,482
Nacogdoches	622,510	396,610	1,019,120	9,161	4,974	.....	14,135
Navarro	3,309,306	1,618,674	4,927,980	31,656	15,469	2,266	49,391
Newton	206,106	126,463	332,569	2,963	1,600	.....	4,563

TABLE CXXV.—*Assessed valuation and taxation*—TEXAS—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Nueces	1,811,897	1,692,899	3,504,796	18,696	13,712	2,835	35,243
Orange	334,343	420,145	754,488	5,044	3,872	.....	8,916
Palo Pinto	674,237	342,245	1,016,482	7,058	9,380	.....	16,438
Panola	777,596	396,434	1,174,030	10,224	4,861	.....	15,085
Parker	1,807,419	804,611	2,612,030	18,572	30,458	3,975	53,005
Pecos	360,004	149,342	509,346	3,577	1,928	.....	5,505
Polk	456,545	289,023	745,568	5,659	*a* 3,711	75	9,445
Presidio	499,300	155,044	654,344	4,603	3,600	.....	8,203
Rains	279,397	144,739	424,136	3,284	3,500	.....	6,784
Red River	1,245,973	880,663	2,126,636	16,913	14,757	.....	31,670
Refugio	597,330	639,319	1,236,649	6,758	4,482	200	11,440
Robertson	1,873,484	1,451,474	3,324,958	24,537	35,000	2,421	61,958
Rockwall	612,377	205,292	817,669	5,384	5,799	.....	11,183
Runnels	235,540	247,846	483,386	2,860	3,000	.....	5,860
Rusk	1,374,522	840,320	2,214,842	18,169	14,336	500	33,005
Sabine	202,156	106,225	308,381	2,950	1,409	.....	4,359
San Augustine	324,606	210,300	534,906	4,367	3,740	.....	8,107
San Jacinto	470,512	231,098	701,610	5,441	3,708	.....	9,149
San Patricio	515,453	307,429	822,882	4,537	2,656	.....	7,213
San Saba	689,372	450,112	1,139,484	7,566	7,055	.....	14,621
Shackelford	318,801	376,501	695,302	4,390	4,387	.....	8,777
Shelby	439,123	314,042	753,165	6,888	4,281	.....	11,169
Smith	1,782,989	1,491,495	3,274,484	23,392	42,000	6,375	71,767
Somervell	166,543	107,632	274,175	2,294	3,712	.....	6,006
Starr	448,405	627,961	1,076,366	6,908	4,593	.....	11,501
Stephens	649,455	393,274	1,042,729	7,159	4,413	.....	11,572
Tarrant	3,121,704	1,708,459	4,830,163	33,479	30,000	8,718	72,197
Taylor	378,782	250,402	629,184	3,984	4,500	.....	8,484
Throckmorton	475,058	252,806	727,864	4,035	2,967	.....	7,002
Titus	514,174	250,959	765,133	6,086	6,297	.....	12,383
Tom Green	1,412,313	747,376	2,159,689	11,877	4,217	.....	16,094
Travis	6,591,124	2,430,938	9,022,062	52,592	37,917	44,546	135,055
Trinity	482,344	355,178	837,522	5,908	3,400	.....	9,308
Tyler	364,815	283,396	648,211	5,122	2,054	.....	7,176
Upshur	616,753	442,758	1,059,511	8,834	5,000	.....	13,834
Uvalde	467,684	349,588	817,272	5,096	4,000	.....	9,096
Van Zandt	1,336,066	784,913	2,120,979	14,982	6,006	.....	20,988
Victoria	1,469,624	1,390,156	2,859,780	16,633	8,228	3,030	27,891
Walker	768,780	673,586	1,442,366	10,816	7,018	.....	17,834
Waller	1,039,510	664,380	1,703,890	12,204	9,000	3,000	24,204
Washington	3,515,888	1,799,744	5,315,632	34,904	21,680	17,000	73,584
Webb	559,101	532,725	1,082,826	7,322	6,845	.....	14,167
Wharton	428,235	364,994	793,229	5,450	4,000	.....	9,450
Wheeler	36,720	65,909	102,629	796	718	.....	1,514
Williamson	2,749,366	1,095,904	3,845,270	24,228	5,185	1,620	31,033
Wilson	661,029	345,230	1,006,259	6,967	7,390	.....	14,357
Wise	1,247,699	731,558	1,979,257	16,776	11,908	1,000	29,684
Wood	1,026,100	778,417	1,804,517	13,104	10,000	.....	23,104
Young	811,111	387,488	1,198,599	9,123	8,000	.....	17,123
Zapata	193,900	258,550	452,450	2,718	5,620	.....	8,338
Unor'd counties	7,725,571	2,708,066	10,433,637	92,026	.....	.....	92,026

a Estimated.

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

ARKANSAS.

NOTE.—The valuation is that of 1879. There is a poll tax of $1 devoted to school purposes, which is retained in each county where collected, but is considered as a state tax in the table, since its levy is obligatory and its rate equal throughout the state. The amount of this poll-tax levy is $153,406.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	55, 760, 388	30, 648, 976	86, 409, 364	715, 238	734, 974	388, 878	1, 839, 090
Arkansas	776, 080	440, 640	1, 216, 720	10, 703	6, 083	581	17, 367
Ashley	472, 081	377, 692	849, 773	7, 172	5, 399	3, 589	16, 160
Baxter	268, 285	288, 082	556, 367	4, 711	2, 782	63	7, 556
Benton	1, 022, 104	784, 025	1, 806, 129	15, 847	8, 669	2, 749	27, 265
Boone	501, 565	387, 112	888, 677	7, 712	8, 161	1, 863	17, 736
Bradley	414, 938	333, 968	748, 906	6, 062	3, 745	549	10, 356
Calhoun	228, 370	224, 981	453, 351	3, 980	2, 267	1, 500	7, 747
Carroll	316, 615	326, 431	643, 046	5, 718	1, 074	890	7, 682
Chicot	1, 490, 126	321, 683	1, 811, 809	14, 378	18, 118	.....	32, 496
Clark	1, 063, 296	443, 722	1, 507, 018	11, 749	24, 703	3, 025	39, 477
Clay	468, 561	244, 717	713, 278	6, 045	3, 457	520	10, 022
Columbia	589, 565	448, 197	1, 037, 762	9, 350	5, 707	3, 834	18, 891
Conway	728, 811	419, 254	1, 148, 065	9, 690	17, 099	4, 032	30, 821
Craighead	535, 611	280, 625	816, 236	6, 503	4, 081	866	11, 450
Crawford	984, 553	409, 963	1, 394, 516	11, 652	15, 352	7, 155	34, 159
Crittenden	811, 335	202, 175	1, 013, 510	9, 081	9, 454	5, 740	24, 275
Cross	484, 062	217, 240	701, 302	5, 614	7, 042	1, 156	13, 812
Dallas	324, 788	247, 139	571, 927	4, 910	4, 334	158	9, 402
Desha	719, 198	234, 874	954, 072	7, 876	9, 541	2, 486	19, 903
Dorsey	412, 986	297, 341	710, 327	6, 355	6, 570	64	12, 989
Drew	716, 666	491, 007	1, 207, 673	10, 306	6, 038	6, 100	22, 444
Faulkner	728, 925	440, 652	1, 169, 577	9, 861	17, 380	1, 298	28, 539
Franklin	761, 652	594, 974	1, 356, 026	11, 425	13, 624	4, 894	29, 943
Fulton	201, 186	205, 836	407, 022	3, 665	2, 040	1, 303	7, 008
Garland	328, 731	541, 177	869, 908	7, 328	4, 350	4, 139	15, 817
Grant	271, 251	203, 027	474, 278	4, 181	2, 592	1, 294	8, 067
Greene	426, 685	254, 361	681, 046	5, 577	7, 737	2, 785	16, 099
Hempstead	1, 311, 919	860, 553	2, 172, 472	17, 928	21, 725	5, 788	45, 441
Hot Spring	784, 195	224, 768	1, 008, 963	7, 809	9, 837	1, 091	18, 737
Howard	470, 130	420, 485	890, 615	7, 511	8, 906	2, 745	19, 162
Independence	1, 465, 271	865, 869	2, 331, 140	18, 501	9, 324	6, 894	34, 719
Izard	584, 303	411, 715	996, 018	8, 696	4, 980	1, 749	15, 425
Jackson	1, 029, 404	366, 091	1, 395, 495	10, 886	8, 373	8, 130	27, 389
Jefferson	3, 579, 743	852, 848	4, 432, 591	35, 552	13, 778	23, 216	72, 546
Johnson	683, 108	421, 438	1, 104, 546	9, 061	10, 238	3, 717	23, 016
La Fayette	381, 835	189, 906	571, 741	4, 690	5, 242	2, 724	12, 656
Lawrence	631, 079	442, 577	1, 073, 656	8, 451	9, 332	2, 358	20, 141
Lee	1, 214, 990	422, 283	1, 637, 273	13, 772	10, 838	8, 184	32, 794
Lincoln	745, 432	327, 202	1, 072, 634	9, 163	8, 000	2, 588	19, 751
Little River	481, 780	208, 530	690, 310	5, 601	*a* 3, 452	2, 346	11, 399
Logan	785, 290	532, 165	1, 317, 455	11, 046	6, 000	4, 010	21, 056
Lonoke	995, 732	422, 700	1, 418, 432	11, 810	10, 638	4, 967	27, 415
Madison	267, 877	318, 707	586, 584	5, 743	11, 608	201	17, 552
Marion	214, 210	331, 604	545, 814	4, 373	4, 092	1, 422	9, 887
Miller	754, 419	359, 180	1, 113, 599	9, 138	5, 568	3, 584	18, 290
Mississippi	609, 372	292, 188	901, 560	7, 227	9, 016	2, 947	19, 190
Monroe	836, 130	299, 612	1, 135, 742	9, 317	21, 012	5, 673	36, 002
Montgomery	116, 730	151, 340	268, 070	2, 657	2, 533	155	5, 345
Nevada	831, 587	550, 674	1, 382, 261	11, 118	6, 911	7, 308	25, 337
Newton	106, 216	176, 158	282, 374	2, 891	2, 783	304	5, 978

a Estimated.

TABLE CXXV.—*Assessed valuation and taxation*—ARKANSAS—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Ouachita	722, 477	664, 997	1, 387, 474	11, 230	14, 106	6, 791	32, 127
Perry	224, 639	111, 764	336, 403	2, 806	3, 364	1, 674	7, 844
Phillips	2, 103, 550	675, 785	2, 779, 335	22, 696	34, 000	21, 232	77, 928
Pike	196, 295	206, 152	402, 447	3, 756	4, 768	2, 500	11, 024
Poinsett	302, 715	82, 228	384, 943	2, 933	1, 924	2, 000	6, 857
Polk	82, 397	168, 034	250, 431	2, 656	6, 446	150	9, 252
Pope	1, 034, 269	607, 001	1, 641, 270	13, 408	10, 500	5, 720	29, 628
Prairie	865, 881	461, 100	1, 326, 981	10, 378	6, 635	6, 790	23, 803
Pulaski	4, 766, 101	1, 826, 576	6, 592, 677	50, 534	98, 889	109, 930	259, 353
Randolph	384, 141	285, 579	669, 720	6, 377	18, 218	1, 918	26, 513
Saint Francis	806, 485	297, 225	1, 103, 710	9, 198	16, 330	7, 247	32, 775
Saline	517, 249	258, 648	775, 897	6, 602	4, 529	1, 433	12, 564
Scott	283, 889	312, 301	596, 190	5, 600	5, 200	45	10, 845
Searcy	257, 439	331, 583	589, 022	5, 260	12, 417	65	17, 742
Sebastian	1, 245, 372	836, 762	2, 082, 134	16, 989	9, 799	14, 674	41, 462
Sevier	406, 269	330, 312	736, 581	5, 745	6, 261	2, 857	14, 863
Sharp	426, 363	363, 420	789, 783	6, 654	4, 330	612	11, 596
Stone	191, 603	207, 719	399, 322	3, 421	1, 996	431	5, 848
Union	629, 303	619, 970	1, 249, 273	10, 541	12, 493	5, 845	28, 879
Van Buren	229, 635	313, 009	542, 644	5, 108	3, 476	309	8, 893
Washington	1, 235, 123	858, 505	2, 093, 628	18, 106	10, 662	7, 304	36, 072
White	1, 850, 394	744, 821	2, 595, 215	20, 026	2, 600	10, 007	32, 633
Woodruff	898, 316	330, 121	1, 228, 437	16, 184	15, 355	5, 739	31, 278
Yell	1, 172, 305	645, 876	1, 818, 181	14, 638	9, 091	8, 871	32, 600

KENTUCKY.

NOTE.—The exhibit is for the year 1880.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	265, 085, 908	85, 478, 063	350, 563, 971	1, 595, 067	1, 623, 118	1, 982, 832	5, 201, 017
Adair	1, 170, 635	547, 425	1, 718, 060	7, 819	6, 601	430	14, 850
Allen	974, 193	404, 089	1, 378, 282	6, 271	5, 354	296	11, 921
Anderson	1, 182, 140	440, 475	1, 622, 615	7, 383	14, 468	790	22, 641
Ballard	1, 450, 946	414, 538	1, 865, 484	8, 488	9, 460	749	18, 697
Barren	2, 328, 585	757, 181	3, 085, 766	14, 040	12, 141	4, 193	30, 374
Bath	1, 699, 835	417, 730	2, 117, 565	9, 635	38, 689	314	48, 638
Bell	292, 951	66, 285	359, 236	1, 634	1, 466	.....	3, 100
Boone	3, 991, 605	971, 942	4, 963, 547	22, 584	21, 956	175	44, 715
Bourbon	6, 408, 180	1, 438, 612	7, 846, 792	35, 703	31, 175	13, 875	80, 753
Boyd	2, 086, 872	683, 210	2, 770, 082	12, 604	14, 624	12, 559	39, 787

TABLE CXXV.—*Assessed valuation and taxation*—KENTUCKY—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Boyle	3,117,365	1,347,340	4,464,705	20,315	14,275	10,358	44,948
Bracken	2,110,535	514,020	2,624,555	11,941	19,864	5,054	36,859
Breathitt	483,760	112,658	596,418	2,714	2,918	64	5,696
Breckinridge	2,301,995	963,980	3,265,975	14,860	14,742	1,400	31,002
Bullitt	1,380,577	403,010	1,783,587	8,115	5,067	2,156	15,338
Butler	1,012,466	395,054	1,407,520	6,404	.....	723	7,127
Caldwell	1,183,885	482,166	1,666,051	7,581	21,500	1,750	30,831
Calloway	1,328,446	528,826	1,857,272	8,451	9,872	414	18,737
Campbell	8,350,362	758,428	9,108,790	41,445	12,837	160,728	215,010
Carroll	732,245	1,603,652	2,335,897	10,629	10,708	2,707	24,044
Carter	1,083,125	240,925	1,324,050	6,024	3,956	764	10,744
Casey	848,804	257,759	1,106,563	5,034	2,535	200	7,769
Christian	3,902,327	1,122,026	5,024,353	22,861	55,100	12,927	90,888
Clark	3,830,729	1,140,347	4,971,076	22,618	21,048	2,039	45,705
Clay	564,158	195,203	759,361	3,456	4,632	.....	8,088
Clinton	548,349	185,045	733,394	3,337	2,461	603	6,401
Crittenden	1,250,282	517,093	1,767,375	8,042	5,500	1,014	14,556
Cumberland	869,488	266,959	1,136,447	5,171	6,070	813	12,054
Daviess	4,715,648	1,003,254	5,718,902	26,021	45,500	16,492	88,013
Edmonson	605,817	199,470	805,287	3,664	1,611	112	5,387
Elliott	430,297	106,863	537,160	2,444	4,200	266	6,910
Estill	805,461	242,329	1,047,790	4,768	4,361	.....	9,129
Fayette	9,259,025	2,658,350	11,917,375	54,224	86,112	50,548	190,884
Fleming	2,694,996	981,811	3,676,807	16,730	20,373	2,004	39,107
Floyd	692,193	204,737	896,930	4,081	4,080	.....	8,161
Franklin	3,821,599	1,067,428	4,889,027	22,245	19,556	15,930	57,731
Fulton	1,056,659	488,475	1,545,125	7,031	3,313	1,321	11,665
Gallatin	1,094,014	326,623	1,420,637	6,464	9,245	702	16,411
Garrard	2,427,986	604,179	3,032,165	13,796	12,129	1,172	27,097
Grant	2,283,360	723,510	3,006,870	13,681	8,050	818	22,549
Graves	2,378,553	879,496	3,258,049	14,825	12,959	1,098	28,882
Grayson	990,990	433,690	1,424,680	6,483	22,616	849	29,948
Green	700,368	243,269	943,637	4,293	2,500	145	6,938
Greenup	1,607,069	500,575	2,107,644	9,590	12,944	1,682	24,216
Hancock	1,023,432	302,167	1,325,599	6,032	10,777	4,586	21,395
Hardin	2,214,560	911,572	3,126,132	14,224	10,959	3,678	28,861
Harlan	380,410	97,199	477,609	2,174	3,000	.....	5,174
Harrison	3,898,410	1,075,155	4,973,595	22,630	21,306	11,055	54,991
Hart	1,508,280	633,621	2,141,901	9,745	5,465	902	16,112
Henderson	4,099,343	972,077	5,071,420	23,075	30,351	3,167	56,593
Henry	3,155,255	858,561	4,013,816	18,263	20,000	1,874	40,137
Hickman	1,200,475	428,616	1,629,091	7,412	13,041	5,850	26,303
Hopkins	1,483,741	481,772	1,965,513	8,943	22,555	6,270	37,768
Jackson	325,430	76,336	401,766	1,828	2,200	.....	4,028
Jefferson	42,811,445	18,234,846	61,046,291	277,760	61,146	1,203,214	1,542,120
Jessamine	2,706,873	691,278	3,398,151	15,462	22,721	5,523	43,706
Johnson	697,100	191,181	888,281	4,042	4,134	171	8,347
Kenton	12,087,685	2,723,441	14,811,126	67,391	47,584	277,440	392,415
Knox	555,298	204,010	759,308	3,454	*a* 4,000	26	7,480
La Rue	1,220,114	394,767	1,614,881	7,348	10,623	400	18,371
Laurel	546,266	199,463	745,729	3,393	3,000	225	6,618
Lawrence	1,013,553	344,218	1,357,771	6,178	9,185	630	15,993
Lee	330,871	79,569	410,440	1,867	1,522	116	3,505
Leslie	174,044	38,845	212,889	969	*a* 2,000	174	3,143
Letcher	374,066	93,608	467,674	2,129	4,924	.....	7,053

a Estimated.

TABLE CXXV.—*Assessed valuation and taxation*—KENTUCKY—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Lewis	1,586,446	401,322	1,987,768	9,044	11,837	954	21,835
Lincoln	2,833,762	994,384	3,828,146	17,418	10,267	899	28,584
Livingston	1,098,563	394,283	1,492,846	6,793	7,420	1,715	15,928
Logan	2,669,974	702,127	3,372,101	15,343	10,640	3,291	29,274
Lyon	659,551	260,676	920,227	4,187	20,000	525	24,712
McCracken	3,092,585	706,275	3,798,860	17,284	47,000	22,597	86,881
McLean	1,032,839	378,317	1,411,156	6,420	10,548	3,288	20,256
Madison	5,317,075	1,776,460	7,093,535	32,275	27,745	4,200	64,220
Magoffin	534,276	140,641	674,917	3,071	2,680	161	5,912
Marion	2,215,019	1,013,304	3,228,323	14,689	35,000	3,653	53,342
Marshall	903,287	312,218	1,215,505	5,531	5,835	914	12,280
Martin	251,177	47,570	298,747	1,359	2,062	.....	3,421
Mason	5,542,411	1,436,270	6,978,681	31,754	31,404	23,133	86,291
Meade	1,414,508	366,671	1,781,179	8,105	8,473	1,406	17,984
Menifee	142,179	38,002	180,181	819	2,795	.....	3,614
Mercer	2,844,610	696,360	3,540,970	16,111	11,921	1,580	29,612
Metcalfe	801,434	336,040	1,137,474	5,175	2,639	476	8,290
Monroe	881,135	321,650	1,202,785	5,472	10,489	383	16,344
Montgomery	2,381,656	492,492	2,874,148	13,078	30,000	4,779	47,857
Morgan	659,954	181,444	841,398	3,828	3,192	6	7,026
Muhlenburgh	1,215,275	387,894	1,603,169	7,294	400	2,084	9,778
Nelson	3,006,480	1,686,460	4,692,940	21,353	7,500	1,511	30,364
Nicholas	2,120,110	694,920	2,815,030	12,809	10,720	3,100	26,629
Ohio	1,885,045	652,317	2,537,362	11,545	12,177	2,542	26,264
Oldham	1,773,273	597,583	2,370,856	10,787	9,110	.....	19,897
Owen	2,526,433	586,587	3,113,020	14,164	26,060	1,072	41,296
Owsley	353,800	99,380	453,180	2,062	1,978	750	4,790
Pendleton	2,102,716	550,190	2,652,906	12,071	26,163	2,693	40,927
Perry	336,958	74,108	411,066	1,871	6,567	28	8,466
Pike	1,045,263	292,222	1,337,485	6,085	5,974	679	12,738
Powell	267,720	84,314	352,034	1,602	996	118	2,716
Pulaski	1,422,630	496,580	1,919,210	8,732	16,921	1,467	27,120
Robertson	648,429	156,980	805,409	3,664	4,149	393	8,206
Rockcastle	553,317	264,875	818,192	3,723	4,100	47	7,870
Rowan	317,227	76,981	394,208	1,794	639	55	2,488
Russell	694,920	274,941	969,861	4,413	4,500	.....	8,913
Scott	4,609,529	1,022,650	5,632,179	25,626	25,999	7,183	58,808
Shelby	5,517,845	1,583,000	7,100,845	32,309	69,000	2,274	103,583
Simpson	1,329,675	425,268	1,754,943	7,985	13,350	2,616	23,951
Spencer	1,450,089	374,026	1,824,115	8,299	4,100	335	12,734
Taylor	715,227	258,862	974,089	4,432	2,610	500	7,542
Todd	1,691,771	759,370	2,451,141	11,153	6,000	5,109	22,262
Trigg	1,387,705	546,286	1,933,991	8,800	10,307	670	19,777
Trimble	1,253,068	312,579	1,565,647	7,124	4,712	742	12,578
Union	2,223,617	839,961	3,063,578	13,939	33,824	3,356	51,119
Warren	4,200,645	1,468,294	5,668,939	25,790	24,000	5,785	55,575
Washington	1,792,633	514,767	2,306,800	10,496	10,909	1,567	22,972
Wayne	1,112,465	393,961	1,506,426	6,855	6,721	427	14,003
Webster	1,123,337	403,288	1,526,625	6,946	6,607	1,008	14,561
Whitley	743,441	258,957	1,002,398	4,561	4,366	249	9,176
Wolfe	421,148	176,492	597,640	2,720	3,596	.....	6,316
Woodford	4,526,729	1,295,125	5,821,854	26,489	18,055	4,977	49,521

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

TENNESSEE.

NOTE.—The table is for the year 1880.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	195, 644, 200	16, 134, 338	211, 778, 538	656, 087	1, 488, 126	644, 568	2, 788, 781
Anderson	937, 428	64, 592	1, 002, 020	3, 414	19, 854	.....	23, 268
Bedford	4, 366, 360	317, 900	4, 684, 260	13, 191	31, 929	597	45, 717
Benton	838, 939	10, 250	849, 189	3, 286	2, 917	85	6, 288
Bledsoe	514, 811	67, 339	582, 150	1, 951	3, 406	.....	5, 357
Blount	1, 580, 184	59, 391	1, 639, 575	5, 340	23, 795	.....	29, 135
Bradley	1, 784, 583	218, 257	2, 002, 840	5, 583	8, 800	.....	14, 383
Campbell	699, 887	20, 418	720, 305	2, 734	6, 695	151	9, 580
Cannon	1, 053, 705	51, 960	1, 105, 665	3, 863	5, 801	.....	9, 664
Carroll	2, 750, 406	85, 915	2, 836, 321	9, 133	14, 252	.....	23, 385
Carter	752, 689	21, 943	774, 632	2, 919	6, 539	.....	9, 458
Cheatham	826, 336	54, 769	881, 105	2, 859	6, 383	.....	9, 242
Claiborne	825, 359	23, 251	848, 610	3, 388	5, 086	.....	8, 474
Clay	710, 448	36, 556	747, 004	2, 710	4, 204	.....	6, 914
Cocke	1, 140, 770	49, 465	1, 190, 235	4, 222	8, 062	.....	12, 284
Coffee	1, 126, 636	92, 861	1, 219, 497	4, 233	6, 834	983	12, 050
Crockett	1, 538, 580	55, 110	1, 593, 690	5, 336	14, 932	309	20, 577
Cumberland	383, 837	1, 537	385, 374	1, 289	3, 468	.....	4, 757
Davidson	18, 113, 770	3, 209, 395	21, 323, 165	58, 476	186, 415	266, 735	511, 626
Decatur	786, 156	15, 801	801, 957	2, 820	4, 825	.....	7, 645
De Kalb	1, 478, 088	97, 221	1, 575, 309	5, 215	13, 879	.....	19, 094
Dickson	962, 472	39, 330	1, 001, 802	3, 831	6, 336	.....	10, 167
Dyer	2, 359, 915	133, 536	2, 493, 451	7, 722	13, 956	1, 806	23, 484
Fayette	3, 269, 100	177, 660	3, 446, 760	11, 564	18, 803	1, 390	31, 757
Fentress	374, 571	13, 492	388, 063	1, 525	2, 897	.....	4, 422
Franklin	1, 550, 570	33, 540	1, 584, 110	5, 381	2, 214	1, 160	8, 755
Gibson	4, 578, 111	134, 844	4, 712, 955	14, 802	40, 723	3, 048	58, 573
Giles	4, 013, 052	410, 959	4, 424, 011	13, 985	36, 105	5, 404	55, 494
Grainger	1, 104, 368	99, 020	1, 203, 388	4, 062	7, 420	.....	11, 482
Greene	2, 368, 920	115, 320	2, 484, 240	8, 217	16, 529	.....	24, 746
Grundy	408, 920	7, 070	415, 990	1, 428	3, 404	125	4, 957
Hamblen	1, 149, 243	136, 022	1, 285, 265	3, 824	8, 981	2, 097	14, 902
Hamilton	4, 156, 465	539, 433	4, 695, 898	13, 895	32, 773	75, 619	122, 287
Hancock	492, 540	17, 880	510, 420	2, 200	2, 906	.....	5, 106
Hardeman	2, 609, 845	277, 528	2, 887, 373	9, 167	12, 055	2, 959	24, 181
Hardin	1, 393, 235	32, 310	1, 425, 545	4, 964	9, 952	.....	14, 916
Hawkins	1, 926, 054	31, 610	1, 957, 664	6, 747	15, 119	.....	21, 866
Haywood	2, 735, 191	210, 807	2, 945, 998	9, 873	23, 130	.....	33, 003
Henderson	1, 694, 629	61, 435	1, 756, 064	6, 002	14, 782	.....	20, 784
Henry	2, 199, 444	113, 796	2, 313, 240	7, 799	19, 002	61	26, 862
Hickman	1, 309, 246	138, 934	1, 448, 180	4, 637	8, 405	.....	13, 042
Houston	380, 361	.....	380, 361	1, 375	4, 259	.....	5, 634
Humphreys	991, 365	25, 000	1, 016, 365	3, 793	3, 929	.....	7, 722
Jackson	872, 279	27, 778	900, 057	3, 447	7, 047	.....	10, 494
James	531, 505	7, 250	538, 755	1, 754	3, 370	.....	5, 124
Jefferson	1, 630, 852	198, 387	1, 829, 239	5, 767	14, 913	85	20, 765
Johnson	432, 563	3, 970	436, 533	1, 866	4, 484	.....	6, 350
Knox	7, 113, 401	682, 676	7, 796, 077	23, 366	85, 734	40, 096	149, 196
Lake	609, 595	13, 800	623, 395	2, 077	3, 948	.....	6, 025
Lauderdale	1, 564, 552	45, 975	1, 610, 527	5, 122	9, 664	745	15, 531
Lawrence	937, 870	17, 657	955, 527	3, 330	9, 309	.....	12, 639

TABLE CXXV.—*Assessed valuation and taxation*—TENNESSEE—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and village.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Lewis	180,445	55,585	236,030	727	1,805	.....	2,532
Lincoln	3,285,945	343,896	3,629,841	11,086	20,161	1,968	33,215
Loudon	1,195,080	116,340	1,311,420	3,827	6,452	.....	10,279
McMinn	1,894,459	100,131	1,994,590	6,059	10,010	.....	16,069
McNairy	1,556,777	59,243	1,616,020	5,944	12,348	.....	18,292
Macon	784,571	55,886	840,457	3,025	5,278	.....	8,303
Madison	4,073,130	127,381	4,200,511	13,159	30,800	10,102	54,061
Marion	975,174	69,985	1,045,159	3,090	6,271	.....	9,361
Marshall	2,729,865	246,485	2,976,350	8,822	23,705	.....	32,527
Maury	6,450,807	937,529	7,388,336	20,349	33,634	17,820	71,803
Meigs	875,252	38,456	913,708	2,850	5,335	.....	8,185
Monroe	1,784,225	97,190	1,881,415	5,754	6,640	.....	12,394
Montgomery	3,997,880	522,745	4,520,625	13,050	35,652	20,006	68,708
Moore	572,651	17,632	590,283	2,032	4,098	.....	6,130
Morgan	471,410	5,450	476,860	1,625	4,963	.....	6,588
Obion	3,234,111	110,121	3,344,232	10,698	27,419	.....	38,117
Overton	674,872	23,429	698,301	3,012	4,998	.....	8,010
Perry	691,945	50,565	742,510	2,496	4,994	.....	7,490
Polk	858,930	51,247	910,177	2,839	7,499	.....	10,338
Putnam	842,825	74,595	917,420	3,486	7,248	.....	10,734
Rhea	799,442	32,280	831,722	2,709	3,017	.....	5,726
Roane	1,867,610	105,666	1,973,276	5,846	10,853	313	17,012
Robertson	2,626,400	472,440	3,098,840	8,947	19,617	.....	28,564
Rutherford	5,769,528	571,394	6,340,922	17,794	24,135	.....	41,929
Scott	337,383	6,866	344,249	1,564	2,331	.....	3,895
Sequatchie	224,074	2,939	227,013	811	1,314	.....	2,125
Sevier	1,171,696	88,349	1,260,045	4,646	7,993	.....	12,639
Shelby	17,794,085	1,074,370	18,868,455	54,747	123,151	176,236	354,134
Smith	2,525,930	232,510	2,758,440	8,121	15,018	.....	23,139
Stewart	1,045,281	40,627	1,085,908	4,024	8,750	.....	12,774
Sullivan	1,807,155	157,255	1,964,410	6,581	15,715	2,069	24,365
Sumner	3,190,359	243,515	3,433,874	10,243	35,938	1,575	47,756
Tipton	2,217,892	94,710	2,312,602	7,100	11,725	2,425	21,250
Trousdale	799,191	48,285	847,476	2,594	5,561	.....	8,155
Unicoi	153,865	.....	153,865	768	2,000	.....	2,768
Union	658,794	19,405	678,199	2,688	4,723	.....	7,411
Van Buren	220,970	1,300	222,270	744	1,222	.....	1,966
Warren	2,029,787	424,944	2,454,731	6,945	7,908	2,000	16,853
Washington	1,520,270	56,270	1,576,540	5,240	10,503	.....	15,743
Wayne	1,015,940	50,110	1,066,050	3,763	6,961	130	10,854
Weakley	2,908,960	71,760	2,980,720	9,718	14,189	518	24,425
White	937,669	47,807	985,476	3,306	5,436	.....	8,742
Williamson	4,651,594	543,736	5,195,330	14,232	24,623	.....	38,855
Wilson	4,310,765	342,959	4,653,724	13,542	45,908	5,951	65,401

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

WESTERN STATES.

OHIO.

NOTE.—The valuation and taxation are shown for the year ending November 15, 1879.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, township, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	1,093,677,705	440,682,803	1,534,360,508	4,480,489	6,131,502	15,144,667	25,756,658
Adams	4,189,214	1,669,319	5,858,533	16,990	43,601	40,690	101,281
Allen	6,643,354	3,556,147	10,199,501	29,576	101,183	88,540	219,299
Ashland	9,351,842	3,671,081	13,022,923	37,767	53,618	69,252	160,637
Ashtabula	10,898,910	5,116,420	16,015,330	46,737	99,049	80,764	226,550
Athens	5,465,509	2,601,310	8,066,819	20,475	68,708	45,792	134,975
Auglaize	5,596,460	1,941,160	7,537,620	21,859	46,846	54,555	123,260
Belmont	14,493,408	6,242,547	20,735,955	60,134	82,661	106,752	249,547
Brown	8,146,870	2,613,632	10,760,502	31,205	73,650	73,496	178,351
Butler	23,767,456	9,351,787	33,119,243	92,730	123,962	211,563	428,255
Carroll	6,584,565	2,342,903	8,927,468	25,889	33,316	27,692	86,897
Champaign	14,081,110	6,325,009	20,406,119	59,169	60,019	117,398	236,586
Clarke	17,714,790	9,529,500	27,244,290	78,892	80,431	205,811	365,134
Clermont	11,043,670	2,939,633	13,983,303	42,007	74,558	91,800	208,365
Clinton	10,046,852	3,965,709	14,012,561	40,312	56,221	95,502	192,035
Columbiana	15,405,188	7,252,407	22,657,595	65,707	52,036	127,110	244,853
Coshocton	9,685,090	3,456,530	13,141,620	38,110	59,494	65,775	163,379
Crawford	10,282,770	5,005,910	15,288,680	44,372	50,368	96,184	190,924
Cuyahoga	65,363,389	22,989,750	88,353,139	236,627	271,068	1,839,136	2,366,831
Darke	12,916,780	5,594,310	18,511,090	53,885	92,309	100,872	247,066
Defiance	4,183,948	1,693,289	5,877,237	17,044	30,357	73,424	120,825
Delaware	11,647,085	4,643,063	16,290,148	47,818	73,714	87,445	208,977
Erie	7,590,303	3,841,010	11,431,313	33,150	63,571	176,079	272,800
Fairfield	12,833,820	5,368,170	18,201,990	52,786	58,247	104,502	215,535
Fayette	10,010,685	3,313,480	13,324,165	38,640	61,002	65,199	164,841
Franklin	36,878,320	13,894,319	50,772,639	147,241	144,956	512,503	804,700
Fulton	3,609,480	1,705,995	5,315,475	15,414	43,051	38,602	97,067
Gallia	5,179,615	2,212,951	7,392,566	21,436	40,659	51,442	113,537
Geauga	5,925,080	2,092,428	8,017,508	23,251	20,974	40,076	84,301
Greene	15,594,890	6,691,123	22,286,013	64,630	73,938	120,412	258,980
Guernsey	7,758,186	2,925,387	10,683,573	30,983	45,126	65,066	141,175
Hamilton	158,007,310	49,316,737	207,324,047	601,240	394,324	4,377,235	5,372,799
Hancock	9,431,865	2,906,973	12,338,838	35,783	62,652	91,059	189,494
Hardin	6,553,380	2,643,730	9,197,110	26,672	85,330	68,521	180,523
Harrison	8,916,230	4,091,430	13,007,660	37,723	48,675	45,495	131,893
Henry	3,348,200	1,206,703	4,554,903	13,209	49,416	67,245	129,870
Highland	10,872,473	4,203,900	15,076,373	43,721	50,255	84,386	178,362
Hocking	3,755,625	1,839,433	5,595,058	15,936	27,526	34,800	78,262
Holmes	5,698,790	2,635,798	8,334,588	24,171	46,805	44,742	115,718
Huron	12,051,570	5,357,542	17,409,112	50,485	92,169	97,061	239,715
Jackson	3,119,200	1,614,485	4,733,685	13,728	26,034	41,606	81,368
Jefferson	13,549,050	5,308,840	18,857,890	54,688	49,167	101,158	205,013
Knox	12,044,519	4,499,470	16,543,989	47,978	75,251	73,994	197,223
Lake	6,600,152	3,516,086	10,116,238	29,337	37,136	54,588	121,061
Lawrence	5,440,777	2,904,344	8,345,121	24,201	56,747	79,761	160,709
Licking	19,244,286	7,216,068	26,460,354	76,648	102,940	126,535	306,123

TABLE CXXV.—*Assessed valuation and taxation*—OHIO—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, township, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Logan	9,264,330	4,284,190	13,548,520	39,291	59,520	86,249	185,060
Lorain	11,612,789	5,817,539	17,430,328	50,548	61,327	109,174	221,049
Lucas	15,993,076	7,600,350	23,593,426	68,425	120,796	725,873	915,094
Madison	10,187,820	3,987,740	14,175,560	41,083	59,722	70,976	171,781
Mahoning	13,161,864	5,183,928	18,345,792	54,301	94,532	129,877	278,700
Marion	8,701,638	4,376,236	13,077,874	37,926	46,800	67,500	152,226
Medina	9,019,973	3,380,928	12,400,901	35,963	32,304	54,204	122,471
Meigs	6,347,353	2,185,083	8,532,436	24,745	39,474	77,485	141,704
Mercer	3,268,990	1,212,804	4,481,794	13,026	52,640	40,265	105,931
Miami	15,225,286	6,181,685	21,406,971	62,341	79,716	175,227	317,284
Monroe	4,157,749	1,358,027	5,515,776	16,373	29,574	37,921	83,868
Montgomery	30,779,300	13,603,570	44,382,870	158,739	174,457	414,819	748,015
Morgan	5,489,743	2,637,866	8,127,609	23,570	51,324	43,871	118,765
Morrow	8,734,541	3,458,178	12,192,719	35,360	41,754	49,030	126,144
Muskingum	17,672,690	7,377,790	25,050,480	73,445	121,736	179,409	374,590
Noble	4,694,622	1,469,047	6,163,669	18,062	41,540	32,032	91,634
Ottawa	3,242,984	2,368,339	5,611,323	16,560	51,461	57,488	125,509
Paulding	1,739,178	640,838	2,380,016	6,902	43,392	34,563	84,857
Perry	6,126,985	2,704,330	8,831,315	25,610	32,837	63,785	122,232
Pickaway	14,485,202	4,694,351	19,179,553	55,621	72,002	90,559	218,182
Pike	3,389,814	1,747,754	5,137,568	15,073	27,121	37,916	80,110
Portage	10,104,040	5,838,673	15,942,713	46,237	40,983	82,105	169,325
Preble	12,783,684	4,779,805	17,563,489	51,509	49,734	84,848	186,091
Putnam	4,141,574	1,483,796	5,625,370	16,577	47,619	63,105	127,301
Richland	14,658,470	7,104,730	21,763,200	63,113	68,051	149,713	280,877
Ross	14,672,480	6,849,700	21,522,180	62,416	83,938	124,807	271,161
Sandusky	9,145,820	3,775,193	12,921,013	37,471	71,467	88,753	197,691
Scioto	6,858,850	3,555,771	10,414,621	30,203	84,358	120,370	234,931
Seneca	13,418,528	5,079,104	18,497,632	53,642	88,059	138,647	280,348
Shelby	6,646,464	2,654,290	9,300,754	28,132	41,114	83,823	153,069
Stark	22,932,060	9,622,890	32,554,950	94,409	93,289	246,666	434,364
Summit	15,449,254	6,614,725	22,063,979	64,013	87,330	190,869	342,212
Trumbull	13,435,249	5,634,096	19,069,345	57,174	77,566	108,983	243,723
Tuscarawas	12,180,714	4,627,203	16,807,917	48,743	71,086	99,333	219,162
Union	7,827,519	3,521,970	11,349,489	39,013	57,422	101,700	189,135
Van Wert	3,832,115	2,100,708	5,932,823	17,298	57,216	62,062	136,486
Vinton	2,574,262	1,164,046	3,738,308	10,841	33,663	23,686	68,190
Warren	14,367,358	6,697,341	21,064,699	61,088	69,860	102,436	233,384
Washington	8,910,428	3,740,844	12,651,272	36,689	70,894	99,941	207,524
Wayne	15,601,928	7,281,133	22,883,061	66,859	80,154	117,436	264,449
Williams	5,446,565	2,255,929	7,702,494	22,476	27,127	66,028	115,631
Wood	6,772,050	2,363,580	9,135,630	27,674	58,146	81,294	167,114
Wyandot	7,100,300	3,858,885	10,959,185	30,682	55,287	68,219	154,188

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

INDIANA.

NOTE.—The table is for the fiscal year ending October 31, 1880. The valuation is given as reported by the state board of equalization. The [civil] township taxes for roads and other strictly township purposes are not given for the same reason as is stated in regard to Illinois. It is probable these would amount to as much as $1,500,000, which would increase the total taxation in the state to about $12,343,630. In addition to the notes preceding the table for Illinois, see the foot-note on summary table, page 1508.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	538,683,239	189,131,892	727,815,131	2,493,963	4,031,029	a 4,318,638	a 10,843,630
Adams	2,507,490	939,035	3,446,525	12,589	39,515	12,992	65,096
Allen	15,041,040	3,955,455	18,996,495	64,795	182,453	196,358	443,606
Bartholomew	7,220,078	2,559,544	9,779,622	33,416	53,374	44,932	131,772
Benton	4,140,329	1,100,974	5,241,303	17,708	46,919	21,177	85,804
Blackford	1,499,915	558,504	2,058,419	7,555	12,500	9,878	29,933
Boone	6,641,130	2,244,160	8,885,290	30,951	29,053	30,338	90,342
Brown	1,062,506	482,274	1,544,780	6,241	13,520	5,438	25,199
Carroll	5,408,699	1,777,649	7,186,348	24,571	37,303	41,994	103,868
Cass	6,669,521	2,454,342	9,123,863	32,223	63,731	136,355	232,309
Clark	5,693,163	1,947,508	7,640,671	26,380	45,569	74,983	146,932
Clay	3,831,421	1,273,120	5,104,541	19,395	47,763	34,764	101,922
Clinton	5,615,425	2,101,580	7,717,005	27,065	26,125	55,674	108,864
Crawford	830,328	364,086	1,194,414	5,373	11,881	8,390	25,644
Daviess	3,904,655	1,432,544	5,337,199	19,462	37,364	22,782	79,608
Dearborn	5,307,075	2,839,965	8,147,040	27,883	89,089	43,724	160,696
Decatur	6,553,371	2,682,416	9,235,787	30,937	34,181	57,493	122,611
De Kalb	4,511,962	1,247,972	5,759,934	20,740	29,647	19,761	70,148
Delaware	6,391,907	2,151,392	8,543,299	29,270	42,994	64,556	136,820
Dubois	1,987,596	892,408	2,880,004	10,858	21,073	8,193	40,124
Elkhart	9,046,806	3,343,861	12,390,667	42,674	69,985	70,582	183,241
Fayette	4,744,750	2,096,432	6,841,182	22,458	20,631	26,751	69,840
Floyd	6,839,495	2,084,990	8,924,485	29,023	38,327	63,339	130,689
Fountain	5,588,941	1,694,166	7,283,107	25,377	39,069	28,751	93,197
Franklin	5,075,460	2,434,755	7,510,215	25,496	63,356	14,840	103,692
Fulton	3,812,740	1,069,615	4,882,355	16,933	22,496	13,429	52,858
Gibson	6,343,558	2,867,293	9,210,851	31,310	36,494	21,712	89,516
Grant	5,657,040	1,715,060	7,372,100	26,070	51,846	30,220	108,136
Greene	3,603,727	1,486,906	5,090,633	18,810	23,594	21,738	64,142
Hamilton	7,229,445	1,747,760	8,977,205	31,172	59,648	36,465	127,285
Hancock	5,625,225	1,853,250	7,478,475	25,340	23,508	25,714	74,562
Harrison	2,713,315	1,218,461	3,931,776	14,837	25,287	9,172	49,296
Hendricks	7,659,198	2,519,744	10,178,942	34,279	46,479	40,425	121,183
Henry	8,000,153	3,493,875	11,494,028	37,322	97,549	40,227	175,098
Howard	4,449,014	1,612,527	6,061,541	21,676	35,033	34,765	91,474
Huntington	5,405,197	1,678,888	7,084,085	24,961	52,303	38,612	115,876
Jackson	4,111,070	1,594,855	5,705,925	20,811	38,257	33,376	92,444
Jasper	1,880,953	797,861	2,678,814	9,594	18,591	14,333	42,518
Jay	4,325,099	1,361,436	5,686,535	20,181	43,506	21,251	84,938
Jefferson	4,449,829	2,090,810	6,540,639	23,022	42,746	71,673	137,441
Jennings	2,079,184	873,067	2,952,251	11,263	20,761	11,965	43,989
Johnson	7,349,865	2,515,145	9,865,010	32,729	16,515	35,895	85,139
Knox	7,091,345	3,007,910	10,099,255	34,522	40,386	57,742	132,650
Kosciusko	7,167,821	2,354,986	9,522,807	33,022	49,469	46,436	128,927
Lagrange	4,686,645	1,658,040	6,344,685	21,586	45,275	23,975	90,836
Lake	3,742,375	1,049,810	4,792,185	16,494	24,552	24,555	65,601

a See foot-note "*a*" to summary table, page 1508.

TABLE CXXV.—*Assessed valuation and taxation*—INDIANA—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
La Porte	9, 105, 795	3, 089, 775	12, 195, 570	41, 241	56, 991	115, 986	214, 218
Lawrence	4, 014, 157	1, 729, 073	5, 743, 230	19, 570	66, 000	18, 644	104, 214
Madison	7, 400, 160	1, 882, 060	9, 282, 220	32, 542	49, 608	52, 008	134, 158
Marion	52, 761, 435	13, 997, 850	66, 759, 285	217, 786	143, 699	468, 253	829, 738
Marshall	4, 983, 158	1, 496, 613	6, 479, 771	23, 158	26, 668	38, 282	88, 108
Martin	1, 252, 024	581, 807	1, 833, 831	7, 529	52, 358	9, 397	69, 284
Miami	4, 877, 273	1, 757, 464	6, 634, 737	23, 873	67, 487	60, 171	151, 531
Monroe	3, 460, 631	1, 678, 334	5, 138, 965	17, 903	33, 130	20, 466	71, 499
Montgomery	10, 068, 580	3, 424, 355	13, 492, 935	45, 037	71, 140	64, 834	181, 011
Morgan	5, 236, 340	1, 949, 670	7, 186, 010	24, 604	31, 625	33, 565	89, 794
Newton	2, 198, 940	686, 725	2, 885, 665	9, 971	16, 729	20, 822	47, 522
Noble	5, 048, 933	2, 257, 289	7, 306, 222	25, 615	22, 011	38, 734	86, 360
Ohio	1, 151, 565	550, 915	1, 702, 480	5, 901	15, 266	11, 825	32, 992
Orange	2, 288, 682	1, 148, 453	3, 437, 135	12, 571	17, 598	13, 907	44, 076
Owen	3, 421, 620	1, 519, 935	4, 941, 555	17, 300	20, 213	21, 083	58, 596
Parke	6, 884, 101	2, 304, 366	9, 188, 467	31, 128	35, 900	35, 298	102, 326
Perry	1, 455, 000	777, 110	2, 232, 110	9, 008	20, 718	20, 332	50, 058
Pike	2, 196, 785	976, 069	3, 172, 854	12, 235	26, 669	11, 162	50, 066
Porter	5, 000, 235	1, 348, 715	6, 348, 950	21, 299	41, 459	46, 093	108, 851
Posey	5, 386, 301	1, 778, 045	7, 164, 346	24, 677	48, 347	33, 990	107, 014
Pulaski	1, 966, 867	567, 267	2, 534, 134	8, 879	35, 441	12, 914	57, 234
Putnam	8, 792, 422	2, 895, 237	11, 687, 659	38, 727	73, 231	45, 736	157, 694
Randolph	7, 688, 815	3, 013, 510	10, 702, 325	36, 769	25, 641	61, 092	123, 502
Ripley	2, 801, 150	1, 036, 560	3, 837, 710	14, 457	28, 775	9, 644	52, 876
Rush	8, 568, 610	3, 384, 220	11, 952, 830	39, 317	41, 764	34, 795	115, 876
Saint Joseph	9, 915, 282	3, 909, 223	13, 824, 505	46, 593	32, 731	85, 457	164, 781
Scott	1, 066, 792	390, 659	1, 457, 451	5, 656	7, 043	4, 336	17, 035
Shelby	9, 485, 210	2, 586, 150	12, 071, 360	40, 282	59, 664	40, 503	140, 449
Spencer	3, 352, 738	1, 408, 823	4, 761, 561	17, 576	23, 814	31, 389	72, 779
Starke	827, 748	155, 966	983, 714	3, 761	11, 146	5, 619	20, 526
Steuben	2, 875, 680	864, 465	3, 740, 145	13, 806	23, 360	39, 832	76, 998
Sullivan	4, 537, 940	1, 873, 900	6, 411, 840	22, 860	27, 068	23, 895	73, 823
Switzerland	2, 300, 775	853, 970	3, 154, 745	11, 491	21, 581	11, 703	44, 775
Tippecanoe	14, 331, 950	5, 505, 585	19, 837, 535	65, 011	105, 517	159, 714	330, 242
Tipton	2, 235, 076	663, 913	2, 898, 989	10, 925	45, 732	14, 358	71, 015
Union	3, 546, 790	1, 478, 620	5, 025, 410	16, 337	11, 793	17, 625	45, 755
Vanderburgh	14, 745, 395	6, 185, 710	20, 931, 105	68, 536	188, 704	307, 327	564, 567
Vermillion	3, 600, 589	1, 453, 020	5, 053, 609	17, 219	21, 683	16, 962	55, 864
Vigo	16, 622, 711	5, 327, 959	21, 950, 670	72, 382	137, 473	170, 217	380, 072
Wabash	7, 371, 680	2, 707, 535	10, 079, 215	34, 604	108, 885	58, 784	202, 273
Warren	4, 265, 915	1, 296, 105	5, 562, 020	18, 704	30, 656	24, 536	73, 896
Warrick	3, 108, 620	1, 387, 055	4, 495, 675	16, 815	83, 449	19, 773	120, 037
Washington	3, 730, 160	1, 806, 687	5, 536, 847	19, 427	18, 997	14, 085	52, 509
Wayne	16, 817, 380	6, 185, 862	23, 003, 242	74, 724	30, 447	163, 186	268, 357
Wells	4, 302, 740	1, 453, 405	5, 756, 145	20, 485	28, 584	16, 952	66, 021
White	3, 622, 827	1, 098, 892	4, 721, 719	16, 579	14, 678	22, 850	54, 107
Whitley	4, 513, 801	1, 480, 540	5, 994, 341	20, 719	19, 839	22, 727	63, 285

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

ILLINOIS.

NOTE.—The valuation is that made in the year 1880, and the taxes are based on this, the fiscal year ending September 30, 1881. The taxes of the township proper are not shown in the table. This is for the reason that the township schedules were so generally misunderstood by local officers that it was found impossible to use them without duplicating other taxes to a great extent. See the foot-note on summary table, page 1508. The total township taxation for the state is estimated to be $5,302,605. This sum, added to $19,283,413, given in the table, makes the total taxation for the state $24,586,018.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	575, 441, 053	211, 175, 341	786, 616, 394	3, 195, 042	5, 278, 956	a10, 809, 415	a19, 283, 413
Adams	12, 591, 818	4, 597, 988	17, 189, 806	67, 154	126, 930	264, 441	458, 525
Alexander	1, 297, 811	537, 991	1, 835, 802	6, 950	26, 789	43, 349	77, 088
Bond	1, 969, 620	876, 550	2, 846, 170	12, 951	38, 709	28, 731	80, 391
Boone	3, 409, 447	1, 430, 993	4, 840, 440	17, 442	10, 171	21, 777	49, 390
Brown	1, 744, 379	853, 564	2, 597, 943	11, 240	21, 013	21, 002	53, 255
Bureau	8, 918, 002	3, 514, 212	12, 432, 214	44, 991	31, 878	99, 459	176, 328
Calhoun	663, 103	338, 406	1, 001, 509	3, 700	7, 825	7, 760	19, 285
Carroll	3, 580, 327	1, 194, 947	4, 775, 274	17, 190	16, 139	45, 413	78, 742
Cass	3, 220, 892	924, 175	4, 145, 067	15, 913	45, 274	48, 592	109, 779
Champaign	9, 320, 500	2, 632, 932	11, 953, 432	50, 001	55, 168	124, 089	229, 258
Christian	6, 789, 247	2, 076, 303	8, 865, 550	37, 716	46, 270	74, 422	158, 408
Clark	2, 177, 349	925, 549	3, 102, 898	15, 901	34, 372	37, 669	87, 942
Clay	1, 920, 015	949, 099	2, 869, 114	16, 091	16, 474	31, 182	63, 747
Clinton	2, 862, 759	911, 480	3, 774, 239	20, 040	22, 707	31, 226	73, 973
Coles	4, 829, 934	1, 597, 601	6, 427, 535	23, 938	30, 187	126, 879	181, 004
Cook	115, 214, 331	33, 768, 062	148, 982, 393	607, 083	1, 430, 767	b3, 963, 771	6, 001, 621
Crawford	1, 536, 339	610, 012	2, 146, 351	9, 377	25, 395	40, 121	74, 893
Cumberland	1, 161, 693	651, 779	1, 813, 472	13, 035	9, 113	15, 310	37, 458
De Kalb	6, 167, 258	2, 602, 189	8, 769, 447	32, 662	24, 557	79, 246	136, 465
De Witt	4, 031, 273	1, 348, 486	5, 379, 759	23, 041	54, 332	65, 715	143, 088
Douglas	3, 555, 975	1, 253, 028	4, 809, 003	18, 562	21, 080	44, 478	84, 120
Du Page	5, 156, 912	1, 539, 128	6, 696, 040	28, 919	4, 692	56, 870	90, 481
Edgar	5, 437, 528	1, 948, 704	7, 386, 232	27, 822	44, 446	81, 954	154, 219
Edwards	1, 269, 141	625, 696	1, 894, 837	7, 733	10, 796	14, 667	33, 196
Effingham	1, 973, 281	985, 111	2, 958, 392	14, 416	18, 581	33, 977	66, 974
Fayette	2, 752, 289	1, 418, 932	4, 171, 221	19, 108	26, 452	50, 671	96, 231
Ford	2, 917, 299	1, 153, 679	4, 064, 978	14, 850	29, 599	36, 802	81, 251
Franklin	816, 185	634, 771	1, 450, 956	5, 848	12, 470	15, 701	34, 019
Fulton	8, 412, 735	3, 644, 986	12, 057, 721	43, 644	43, 695	89, 421	176, 760
Gallatin	896, 290	658, 417	1, 554, 707	6, 047	21, 166	25, 740	52, 953
Greene	4, 308, 683	1, 701, 304	6, 009, 987	22, 770	22, 130	75, 463	120, 363
Grundy	4, 085, 907	1, 552, 913	5, 638, 820	20, 741	22, 361	53, 841	96, 943
Hamilton	948, 508	497, 265	1, 445, 773	6, 640	32, 212	14, 107	52, 959
Hancock	7, 358, 869	2, 865, 902	10, 224, 771	38, 705	43, 066	93, 116	174, 887
Hardin	368, 426	179, 398	547, 824	3, 512	9, 054	11, 283	23, 849
Henderson	2, 361, 123	1, 135, 101	3, 496, 224	25, 199	45, 760	29, 090	100, 049
Henry	8, 451, 426	3, 365, 441	11, 816, 867	42, 540	41, 359	92, 537	176, 436
Iroquois	7, 193, 387	2, 581, 101	9, 774, 488	37, 048	31, 329	90, 232	158, 609
Jackson	1, 594, 489	867, 772	2, 462, 261	15, 712	42, 803	42, 359	100, 874
Jasper	1, 608, 640	588, 113	2, 196, 753	10, 843	21, 993	26, 469	59, 305
Jefferson	1, 491, 431	834, 611	2, 326, 042	9, 782	34, 980	30, 569	75, 331
Jersey	3, 727, 724	965, 583	4, 693, 307	17, 654	35, 293	28, 784	81, 731
Jo Daviess	3, 033, 517	1, 692, 142	4, 725, 659	17, 385	34, 445	48, 891	100, 721
Johnson	657, 636	362, 416	1, 020, 052	6, 495	40, 409	23, 713	70, 617
Kane	8, 828, 311	3, 964, 983	12, 793, 294	47, 087	36, 926	233, 740	317, 753

a See foot-note "*a*" to summary, page 1508.
b Given as reported, but probably too small by $200,000.

TABLE CXXV.—*Assessed valuation and taxation*—ILLINOIS—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Kankakee	4,162,406	1,053,783	5,216,189	20,234	26,350	76,997	123,581
Kendall	3,303,905	1,425,123	4,729,028	17,136	7,093	24,846	49,075
Knox	8,781,429	4,271,962	13,053,391	47,044	132,259	97,279	276,582
Lake	4,405,785	1,135,770	5,541,555	20,109	18,132	52,490	90,731
La Salle	13,859,363	6,211,498	20,070,861	82,395	109,688	248,530	440,613
Lawrence	1,402,751	687,803	2,090,554	10,146	14,678	18,483	43,307
Lee	6,608,688	2,360,313	8,969,001	33,160	39,904	83,283	156,347
Livingston	8,199,648	3,644,742	11,844,390	45,330	31,195	88,457	164,982
Logan	7,638,291	2,396,462	10,034,753	41,943	47,382	101,558	190,883
McDonough	6,219,398	2,690,921	8,910,319	32,053	20,479	82,486	135,018
McHenry	5,497,808	2,523,068	8,020,876	28,892	22,471	61,569	112,932
McLean	14,988,000	5,343,103	20,331,103	86,098	56,571	231,835	374,504
Macon	7,077,290	2,359,688	9,436,978	38,279	60,143	102,689	201,111
Macoupin	8,427,218	2,582,976	11,010,194	47,102	125,917	99,408	272,427
Madison	10,665,172	3,412,722	14,077,894	69,711	121,330	157,900	348,941
Marion	3,186,762	1,394,137	4,580,899	19,552	15,111	34,138	68,801
Marshall	3,560,154	1,411,497	4,971,651	19,496	12,430	56,675	88,601
Mason	3,447,797	1,008,212	4,456,009	26,540	65,280	45,940	137,760
Massac	653,429	360,843	1,014,272	3,892	11,428	15,512	30,832
Menard	3,287,554	1,199,900	4,487,454	16,224	43,746	31,891	91,861
Mercer	4,639,916	1,947,596	6,587,512	23,910	19,970	51,749	95,629
Monroe	1,984,339	580,153	2,564,492	12,825	33,228	30,804	76,857
Montgomery	4,800,203	1,915,988	6,716,191	30,302	17,549	70,109	117,960
Morgan	7,084,645	2,112,126	9,196,771	38,032	88,412	101,052	227,496
Moultrie	2,579,667	1,009,490	3,589,157	14,549	20,712	34,871	70,132
Ogle	7,060,417	2,969,767	10,030,184	38,516	32,175	83,565	154,256
Peoria	10,440,432	3,665,080	14,105,512	51,588	148,787	260,562	460,937
Perry	1,488,231	704,238	2,192,469	9,302	30,106	26,529	65,937
Piatt	3,822,050	1,365,201	5,187,251	21,140	8,313	38,459	67,912
Pike	6,249,251	2,730,643	8,979,894	37,766	47,322	93,007	178,095
Pope	812,945	378,585	1,191,530	12,032	13,491	16,379	41,902
Pulaski	470,706	215,372	686,078	11,203	63,952	23,395	98,550
Putnam	1,491,041	490,563	1,981,604	7,140	7,042	29,829	44,011
Randolph	3,140,794	1,329,390	4,470,184	21,070	38,503	53,084	112,657
Richland	1,449,992	687,172	2,137,164	11,112	15,675	37,758	64,545
Rock Island	5,514,261	2,409,777	7,924,038	28,607	59,608	161,326	249,541
Saint Clair	12,147,201	3,319,166	15,466,367	69,999	107,655	242,813	420,467
Saline	782,020	605,403	1,387,423	7,484	33,627	26,309	67,420
Sangamon	12,665,119	4,653,369	17,318,488	63,139	72,498	126,610	262,247
Schuyler	2,606,223	1,226,723	3,832,946	14,179	32,934	29,214	76,327
Scott	1,960,437	917,195	2,877,632	10,331	20,096	22,403	52,830
Shelby	5,552,296	2,301,204	7,853,500	30,491	21,348	72,766	124,605
Stark	2,949,824	1,068,197	4,013,021	15,535	10,254	39,310	65,099
Stephenson	6,116,007	1,932,638	8,048,645	28,944	28,143	85,674	142,761
Tazewell	7,221,326	2,700,634	9,921,960	43,180	63,799	87,985	194,964
Union	1,043,286	629,655	1,672,941	6,304	17,951	23,160	47,415
Vermilion	9,383,818	2,928,987	12,312,805	49,827	37,624	124,445	211,896
Wabash	1,412,472	507,594	1,920,066	9,834	31,837	22,909	64,580
Warren	5,875,732	2,007,812	7,883,544	28,397	80,476	57,110	165,983
Washington	3,310,149	916,163	4,226,312	16,710	62,409	40,781	119,900
Wayne	1,840,772	881,739	2,722,511	12,620	38,284	32,486	83,390
White	1,540,123	1,166,454	2,706,577	10,934	35,992	33,765	80,691
Whiteside	6,448,822	2,620,204	9,069,026	32,908	23,734	110,830	167,472
Will	9,244,924	3,772,201	13,017,125	47,059	37,706	136,529	221,294
Williamson	886,238	557,984	1,444,222	6,160	20,113	17,212	46,185
Winnebago	6,030,329	3,422,091	9,452,420	34,152	53,140	83,939	171,231
Woodford	5,416,388	1,700,449	7,116,837	26,947	21,737	51,395	100,079

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

MICHIGAN.

NOTE.—The tabular exhibit is for the year 1879. The assessed valuation of the townships in Michigan have been compiled from copies kindly furnished this office by the auditor-general of the state of official returns made to his office by the clerks of the several townships. A few townships were not represented in these returns; a few others were represented by returns more or less defective. These omissions or defects were corrected as far as possible by correspondence with officials, but it became necessary finally to resort, in some instances, to estimates based on returns of other years than the census year. There also remains a doubt, which it has been found impossible to resolve, whether, in every instance, the town clerks of townships within which incorporated villages lie have included in their returns the valuations of those villages. The upward limit of possible error from this source is believed, upon a careful examination, to be $1,000,000, or about one-fifth of one per cent. of the total valuation of the state.

The tax of one mill for the support of common schools, though not considered locally a state tax, is tabulated as such, since the rate is uniform and the levy compulsory in all parts of the state.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, township, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	432, 861, 884	84, 804, 475	517, 666, 359	1, 683, 560	1, 804, 512	5, 139, 877	8, 627, 949
Alcona	2, 281, 162	123, 903	2, 405, 065	5, 660	14, 771	27, 009	47, 440
Allegan	7, 300, 939	1, 219, 511	8, 520, 450	32, 275	22, 106	68, 576	122, 957
Alpena	2, 899, 468	663, 771	3, 563, 239	6, 397	27, 189	48, 289	81, 875
Antrim	830, 658	165, 795	996, 453	2, 640	11, 180	22, 070	35, 890
Baraga	606, 275	21, 440	627, 715	1, 978	7, 539	10, 701	20, 218
Barry	5, 094, 373	712, 673	5, 807, 046	23, 698	25, 339	44, 809	93, 846
Bay	9, 848, 769	2, 094, 808	11, 943, 577	24, 753	40, 100	166, 414	231, 267
Benzie	571, 708	70, 893	642, 601	1, 632	5, 459	9, 306	16, 397
Berrien	6, 455, 614	985, 281	7, 440, 895	37, 326	36, 751	103, 928	178, 005
Branch	3, 886, 758	702, 965	4, 589, 723	36, 325	19, 309	63, 825	119, 459
Calhoun	7, 300, 793	2, 171, 030	9, 471, 823	53, 395	32, 684	121, 525	207, 604
Cass	4, 056, 832	679, 605	4, 736, 437	32, 552	21, 664	36, 422	90, 638
Charlevoix	473, 737	59, 220	532, 957	1, 372	4, 338	17, 606	23, 316
Cheboygan	1, 810, 967	312, 119	2, 123, 086	4, 314	8, 703	26, 224	39, 241
Chippewa	1, 068, 100	77, 113	1, 145, 213	2, 840	1, 929	8, 019	12, 788
Clare	1, 145, 205	106, 998	1, 252, 203	2, 946	9, 588	21, 553	34, 087
Clinton	5, 103, 693	806, 750	5, 910, 443	23, 527	21, 116	55, 642	100, 285
Crawford	727, 313	15, 960	743, 273	1, 838	8, 079	9, 071	18, 988
Delta	798, 843	97, 090	895, 933	2, 266	8, 722	18, 840	29, 828
Eaton	8, 040, 503	1, 088, 890	9, 129, 393	30, 039	55, 044	64, 452	149, 535
Emmet	421, 264	43, 459	464, 723	1, 039	4, 266	11, 510	16, 815
Genesee	16, 277, 168	3, 118, 627	19, 395, 795	50, 270	36, 207	88, 645	175, 122
Gladwin	600, 512	6, 345	606, 857	1, 632	8, 249	11, 527	21, 408
Grand Traverse	1, 453, 194	265, 035	1, 718, 229	4, 465	6, 743	26, 705	37, 913
Gratiot	5, 519, 074	810, 977	6, 330, 051	10, 797	22, 929	57, 605	91, 331
Hillsdale	15, 574, 390	2, 789, 048	18, 363, 438	54, 999	20, 133	57, 719	132, 851
Houghton	1, 944, 681	1, 073, 305	3, 017, 986	5, 019	52, 347	74, 025	131, 391
Huron	3, 552, 895	593, 229	4, 146, 124	8, 653	16, 632	39, 019	64, 304
Ingham	11, 221, 536	2, 346, 770	13, 568, 306	37, 363	39, 733	108, 703	185, 799
Ionia	11, 987, 192	2, 251, 840	14, 239, 032	39, 864	21, 300	64, 495	125, 659
Iosco	917, 172	74, 908	992, 080	2, 808	12, 011	27, 704	42, 523
Isabella	3, 430, 818	262, 767	3, 693, 585	6, 615	14, 989	37, 823	59, 427
Isle Royale	128, 000	15, 000	143, 000	183	.....	.....	183
Jackson	7, 904, 685	1, 277, 454	9, 182, 139	57, 221	21, 954	131, 752	210, 927
Kalamazoo	15, 268, 128	2, 834, 757	18, 102, 885	59, 409	32, 951	78, 863	171, 223
Kalkaska	1, 227, 099	52, 550	1, 279, 649	3, 077	6, 793	16, 252	26, 122
Kent	15, 533, 247	2, 301, 815	17, 835, 062	74, 640	95, 142	393, 453	563, 235
Keweenaw	745, 246	146, 570	891, 816	2, 310	11, 186	11, 567	25, 063
Lake	1, 383, 700	64, 770	1, 448, 470	3, 278	5, 000	19, 115	27, 393
Lapeer	9, 594, 843	2, 068, 493	11, 663, 336	23, 105	25, 802	54, 960	103, 867
Leelanaw	545, 519	83, 861	629, 380	1, 729	3, 646	10, 812	15, 688
Lenawee	14, 477, 343	2, 933, 297	17, 410, 640	66, 828	45, 198	132, 279	244, 305
Livingston	11, 948, 495	2, 285, 115	14, 233, 610	39, 234	20, 403	42, 203	101, 840
Mackinac	961, 525	83, 247	1, 044, 772	2, 531	6, 276	8, 709	17, 516
Macomb	12, 562, 450	2, 462, 303	15, 024, 753	40, 844	26, 123	49, 321	116, 288

TABLE CXXV.—*Assessed valuation and taxation*—MICHIGAN—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, township, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Manistee	1,082,458	317,149	1,399,607	5,068	26,299	30,634	62,001
Manitou	38,703	13,357	52,060	193	649	1,092	1,934
Marquette	3,285,090	274,170	3,559,260	10,880	41,769	96,473	149,122
Mason	1,083,753	233,279	1,317,032	4,936	14,789	25,632	45,357
Mecosta	2,319,343	372,120	2,691,463	7,268	19,960	53,584	80,812
Menominee	1,165,867	117,923	1,283,790	4,016	15,936	20,771	40,723
Midland	941,436	73,419	1,014,855	3,655	14,750	37,120	55,525
Missaukee	1,037,995	44,508	1,082,503	2,957	2,497	15,200	20,654
Monroe	4,289,760	732,640	5,022,400	22,410	34,662	62,153	119,225
Montcalm	8,172,276	1,500,851	9,673,127	18,090	30,530	82,297	130,917
Muskegon	2,183,385	732,320	2,915,705	10,236	24,743	89,816	124,795
Newaygo	1,959,624	331,541	2,291,165	6,500	17,261	36,852	60,613
Oakland	11,083,023	2,495,258	13,578,281	61,779	41,333	72,257	175,369
Oceana	1,506,245	150,553	1,656,798	6,231	10,734	32,322	49,287
Ogemaw	769,978	35,698	805,676	2,268	7,710	20,451	30,429
Ontonagon	1,030,730	57,275	1,088,005	2,374	10,003	25,821	38,198
Osceola	1,580,766	211,590	1,792,356	5,454	13,450	35,481	54,385
Otsego	633,955	44,912	678,867	1,869	3,400	14,850	20,119
Ottawa	6,039,165	1,150,965	7,190,130	20,917	17,024	73,643	111,584
Presque Isle	939,775	20,912	960,687	2,344	15,179	15,301	32,824
Roscommon	1,181,653	43,778	1,225,431	2,592	12,204	11,712	26,508
Saginaw	17,931,583	2,958,256	20,889,839	50,072	53,788	297,731	401,591
Saint Clair	5,037,463	985,293	6,022,756	21,111	35,700	141,867	198,678
Saint Joseph	12,721,163	2,688,937	15,410,100	48,101	32,802	60,000	140,903
Sanilac	2,776,233	401,848	3,178,081	8,559	22,443	53,883	84,885
Schoolcraft	839,577	26,500	866,077	2,327	5,790	6,706	14,823
Shiawassee	6,524,065	1,378,937	7,903,002	25,003	16,576	58,897	100,476
Tuscola	2,768,399	496,396	3,264,795	11,493	23,877	56,803	92,173
Van Buren	7,036,095	1,138,864	8,174,959	32,632	23,478	65,948	122,058
Washtenaw	9,353,379	1,748,255	11,101,634	67,447	64,889	116,889	249,225
Wayne	78,800,518	21,406,387	100,206,905	284,814	203,700	901,381	1,389,895
Wexford	1,266,543	199,227	1,465,770	4,278	8,964	27,762	41,004

WISCONSIN.

NOTE.—The valuation and taxation are for 1879. Town taxes, estimated for the state at $1,750,000, are omitted. For explanation, see foot-note, page 1508. Some cities and villages have included their state and county taxes with their local taxes, thus making a small amount of duplication.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	344,788,721	94,183,030	438,971,751	457,453	1,995,990	*a* 3,384,882	*a* 5,838,325
Adams	1,691,848	345,817	2,037,665	2,116	7,876	7,358	17,350
Ashland	1,360,955	62,799	1,423,754	1,479	17,925	3,700	23,104
Barron	851,703	205,284	1,056,987	1,098	14,255	12,191	27,544
Bayfield	695,096	13,506	708,602	736	6,566	2,325	9,627
Brown	4,847,976	1,395,346	6,243,322	6,484	96,431	110,256	213,171

a See foot-note "*a*" to summary, page 1508.

TABLE CXXV.—*Assessed valuation and taxation*—WISCONSIN—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Buffalo	2,213,624	899,590	3,113,214	3,233	15,582	27,793	46,608
Burnett	449,595	56,908	506,503	530	11,942	2,642	15,114
Calumet	4,944,752	817,958	5,762,710	5,985	16,036	4,519	26,540
Chippewa	5,015,877	438,344	5,454,221	5,664	66,089	46,073	117,826
Clark	2,834,428	338,449	3,172,877	3,295	37,310	26,996	67,601
Columbia	8,887,914	2,172,369	11,060,283	11,436	35,648	68,196	115,330
Crawford	2,167,867	732,480	2,900,347	3,012	26,876	21,020	50,908
Dane	17,165,671	5,193,470	22,359,141	23,230	58,756	133,643	215,629
Dodge	16,795,254	3,408,666	20,203,920	20,982	53,267	62,388	136,637
Door	1,081,249	240,969	1,322,218	1,373	13,628	17,089	32,090
Douglas	624,120	16,257	640,377	665	5,892	1,500	8,057
Dunn	2,757,817	1,155,667	3,913,484	4,064	27,700	31,326	63,090
Eau Claire	4,063,827	999,655	5,063,482	5,258	26,501	73,883	105,642
Fond du Lac	14,369,639	3,848,554	18,218,193	18,920	64,867	151,249	235,036
Grant	8,881,114	2,793,736	11,674,850	12,124	40,387	64,581	117,092
Green	7,282,259	2,422,065	9,704,324	10,078	20,996	41,967	82,041
Green Lake	4,304,056	1,028,140	5,332,196	5,537	14,717	51,213	71,467
Iowa	5,502,299	1,373,820	6,876,119	7,141	59,250	46,082	112,473
Jackson	1,784,849	630,308	2,415,157	2,508	22,264	18,332	43,104
Jefferson	9,544,495	2,566,883	12,111,378	12,578	49,323	72,318	134,219
Juneau	2,213,844	764,843	2,978,687	3,093	16,110	29,147	48,350
Kenosha	5,230,587	1,652,493	6,883,080	7,149	23,139	39,395	69,683
Kewaunee	1,907,877	526,041	2,433,918	2,528	13,531	13,140	29,199
La Crosse	5,489,539	1,754,418	7,243,957	7,523	31,162	92,316	131,001
La Fayette	7,615,473	1,626,981	9,242,454	9,772	23,931	31,199	64,902
Lincoln	1,575,672	31,404	1,607,076	1,665	27,876	9,731	39,272
Manitowoc	9,152,095	2,058,927	11,211,022	11,643	59,532	65,216	136,391
Marathon	2,690,255	596,292	3,286,547	3,413	17,829	33,589	54,831
Marinette	2,623,336	559,556	3,182,892	3,305	21,555	12,889	37,749
Marquette	1,345,796	400,530	1,746,326	1,876	11,950	6,996	20,822
Milwaukee	39,591,236	14,182,799	53,774,035	55,844	254,222	924,163	1,234,229
Monroe	3,632,958	1,088,848	4,721,806	4,904	25,332	32,497	63,333
Oconto	3,758,604	562,084	4,320,688	4,487	25,452	39,789	69,728
Outagamie	6,632,009	1,177,005	7,809,014	8,110	29,208	68,910	106,228
Ozaukee	4,264,947	856,957	5,121,904	5,319	14,220	14,021	33,560
Pepin	884,304	280,767	1,165,071	1,210	6,022	8,137	15,369
Pierce	3,209,696	811,734	4,021,430	4,176	16,075	30,367	50,618
Polk	1,455,576	353,162	1,808,738	1,879	14,872	18,182	34,933
Portage	2,013,705	639,661	2,653,366	4,031	27,069	39,562	70,662
Price	1,295,493	34,764	1,330,257	1,380	15,619	2,587	19,586
Racine	10,365,493	2,868,690	13,234,183	13,744	41,601	98,243	153,588
Richland	2,744,619	973,700	3,718,319	3,861	21,542	20,017	45,420
Rock	15,401,117	4,900,645	20,301,762	21,083	57,218	118,829	197,130
Saint Croix	4,407,432	878,774	5,286,206	5,490	23,947	48,591	78,028
Sauk	5,685,587	1,877,883	7,563,470	7,855	22,562	40,805	71,222
Shawano	2,159,431	295,920	2,455,351	2,550	19,728	14,563	36,841
Sheboygan	11,413,267	3,028,985	14,442,252	14,998	61,507	56,399	132,904
Taylor	971,665	40,465	1,012,130	1,051	23,042	7,145	31,238
Trempealeau	3,370,995	950,224	4,321,219	4,488	19,510	23,618	47,616
Vernon	3,323,710	1,099,997	4,423,707	4,594	17,531	25,456	47,581
Walworth	10,791,672	3,490,859	14,282,531	14,832	25,904	61,146	101,882
Washington	7,827,203	1,768,478	9,595,681	9,965	19,812	21,048	50,825
Waukesha	11,703,510	3,218,085	14,921,595	15,496	28,916	45,839	90,251
Waupaca	3,299,296	776,125	4,075,421	4,233	22,201	35,551	61,985
Waushara	2,065,359	589,856	2,655,215	2,816	10,835	13,059	26,710
Winnebago	11,358,708	3,941,581	15,300,289	15,889	57,102	125,307	198,298
Wood	1,198,371	366,457	1,564,828	1,625	28,642	18,793	49,060

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

IOWA.

NOTE.—The table is for the fiscal year ending December 31, 1879. Township taxes are omitted. For explanation, see foot-note, page 1508. It is probable that the amount of such taxes would be about $800,000, making the total taxation $11,061,605.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State ...	297, 254, 342	101, 416, 909	398, 671, 251	827, 285	4, 280, 091	*a* 5, 154, 229	*a*10, 261,605
Adair	3, 215, 143	612, 394	3, 827, 537	7, 805	41, 855	52, 169	101, 829
Adams	2, 013, 166	775, 238	2, 788, 404	6, 071	31, 702	40, 094	77, 867
Allamakee	3, 161, 404	726, 717	3, 888, 121	8, 023	38, 204	38, 460	84, 687
Appanoose	2, 776, 812	1, 302, 094	4, 078, 906	8, 522	36, 598	30, 773	75, 893
Audubon	1, 625, 127	322, 857	1, 947, 984	3, 944	22, 751	25, 765	52, 460
Benton	4, 984, 810	2, 000, 438	6, 985, 248	14, 595	49, 502	70, 837	134, 934
Black Hawk	4, 765, 469	1, 629, 889	6, 395, 358	13, 239	56, 294	70, 250	139, 783
Boone	2, 971, 944	1, 005, 787	3, 977, 731	8, 503	42, 508	50, 522	101, 533
Bremer	2, 218, 736	645, 369	2, 864, 105	5, 842	35, 095	40, 253	81, 190
Buchanan	3, 773, 730	1, 314, 809	5, 088, 539	10, 466	45, 890	37, 500	93, 856
Buena Vista	1, 437, 542	304, 758	1, 742, 300	3, 686	34, 430	35, 773	73, 889
Butler	2, 711, 498	661, 059	3, 372, 557	6, 863	39, 618	48, 580	95, 061
Calhoun	1, 306, 684	305, 023	1, 611, 707	3, 341	21, 773	20, 066	45, 180
Carroll	2, 099, 684	525, 329	2, 625, 013	5, 671	46, 152	45, 166	96, 989
Cass	3, 598, 280	1, 310, 325	4, 908, 605	10, 315	57, 551	51, 253	119, 119
Cedar	4, 057, 636	1, 584, 489	5, 642, 125	11, 887	40, 513	55, 174	107, 574
Cerro Gordo	2, 404, 116	693, 365	3, 097, 481	6, 569	35, 241	41, 864	83, 674
Cherokee	1, 534, 680	389, 344	1, 924, 024	4, 082	32, 134	32, 856	69, 072
Chickasaw	2, 128, 366	568, 724	2, 697, 090	5, 482	33, 352	37, 466	76, 300
Clarke	2, 307, 888	904, 117	3, 212, 005	6, 895	26, 754	34, 257	67, 906
Clay	833, 533	210, 700	1, 044, 233	1, 970	14, 619	15, 691	32, 280
Clayton	4, 416 807	1, 634, 751	6, 051, 558	12, 103	63, 913	73, 234	149, 250
Clinton	6, 175, 894	2, 182, 415	8, 358, 309	17, 692	86, 835	114, 313	218, 840
Crawford	2, 286, 403	720, 069	3, 006, 472	6, 512	38, 031	55, 468	100, 011
Dallas	3, 553, 959	1, 316, 440	4, 870, 399	10, 172	43, 991	57, 043	111, 206
Davis	2, 435, 648	1, 208, 662	3, 644, 310	7, 631	30, 065	16, 860	54, 556
Decatur	2, 344, 666	758, 620	3, 103, 286	6, 257	22, 276	27, 427	55, 960
Delaware	3, 465, 302	975, 199	4, 440, 501	9, 208	37, 495	47, 507	94, 210
Des Moines	5, 498, 234	2, 501, 700	7, 999, 934	16, 526	99, 901	165, 548	281, 975
Dickinson	563, 066	71, 620	634, 686	1, 345	13, 781	9, 944	25, 070
Dubuque	7, 434, 828	2, 261, 387	9, 696, 215	19, 815	133, 138	209, 796	362, 749
Emmet	659, 580	55, 459	715, 039	1, 430	14, 466	5, 895	21, 791
Fayette	4, 111, 592	1, 176, 808	5, 288, 460	10, 699	51, 440	45, 396	107, 535
Floyd	2, 657, 387	732, 015	3, 389, 402	7, 115	42, 978	41, 207	91, 300
Franklin	2, 296, 484	388, 762	2, 685, 246	5, 540	29, 015	43, 168	77, 723
Fremont	3, 204, 147	1, 224, 344	4, 428, 491	9, 313	58, 682	53, 682	121, 677
Greene	2, 131, 084	764, 462	2, 895, 546	6, 270	28, 881	44, 202	79, 353
Grundy	2, 165, 283	434, 718	2, 600, 001	5, 291	26, 534	50, 000	81, 825
Guthrie	2, 312, 859	859, 623	3, 172, 482	6, 710	29, 623	51, 097	87, 430
Hamilton	1, 904, 603	517, 145	2, 421, 748	5, 039	32, 399	25, 252	62, 690
Hancock	1, 391, 764	147, 755	1, 539, 519	3, 120	21, 899	22, 979	47, 998
Hardin	2, 891, 573	886, 994	3, 778, 567	7, 911	34, 759	50, 247	92, 908
Harrison	3, 456, 763	1, 345, 940	4, 802, 703	9, 604	63, 774	51, 014	124, 392
Henry	3, 764, 416	1, 607, 467	5, 371, 883	11, 100	41, 852	36, 375	89, 327
Howard	2, 357, 663	521, 301	2, 878, 964	5, 967	35, 170	39, 075	80, 212
Humboldt	855, 344	125, 084	980, 428	1, 960	22, 876	23, 726	48, 562
Ida	1, 068, 389	168, 386	1, 236, 775	2, 578	17, 397	23, 981	43, 956
Iowa	3, 368, 331	1, 298, 465	4, 667, 396	9, 768	34, 692	41, 470	85, 930
Jackson	3, 426, 527	1, 270, 146	4, 696, 673	9, 660	48, 495	64, 811	122, 966
Jasper	5, 239, 358	2, 041, 469	7, 280, 827	15, 314	52, 150	57, 793	125, 257

a See foot-note "*a*" to summary, page 1508.

TABLE CXXV.—*Assessed valuation and taxation*—IOWA—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Jefferson	3,302,169	1,885,220	5,187,389	11,031	36,184	28,480	75,695
Johnson	5,483,256	1,937,435	7,420,691	15,486	59,839	66,010	141,335
Jones	3,798,715	1,528,287	5,327,002	10,984	52,283	54,274	117,541
Keokuk	3,554,609	1,423,016	4,977,625	10,178	38,603	29,933	78,714
Kossuth	1,430,211	238,555	1,668,766	3,466	33,733	28,668	65,867
Lee	6,001,439	2,254,041	8,255,480	16,857	78,676	140,769	236,302
Linn	7,017,642	2,211,588	9,229,230	19,211	78,099	105,584	202,894
Louisa	2,523,850	1,025,588	3,549,438	7,388	49,011	36 608	93,007
Lucas	2,455,381	1,099,681	3,555,062	7,111	29,074	26,350	62,535
Lyon	883,836	31,298	915,134	1,830	26,603	18,536	46,969
Madison	3,286,841	974,935	4,261,776	8,700	60,466	62,157	131,323
Mahaska	4,385,397	1,640,672	6,026,069	12,516	48,257	58,067	118,840
Marion	4,007,437	1,431,782	5,439,219	11,124	50,514	51,282	112,920
Marshall	4,846,661	2,432,831	7,279,492	15,119	59,283	128,171	202,573
Mills	2,639,888	1,597,061	4,236,949	9,258	48,823	42,705	100,786
Mitchell	2,367,055	485,257	2,852,312	5,841	38,741	44,876	89,458
Monona	1,757,532	436,286	2,193,818	4,440	27,763	26,789	58,992
Monroe	2,294,535	1,168,483	3,463,018	7,534	34,236	29,493	71,263
Montgomery	2,745,207	1,103,195	3,848,402	8,217	48,080	39,025	95,322
Muscatine	4,291,882	1,977,779	6,269,661	13,311	67,978	102,485	183,774
O'Brien	937,653	142,750	1,080,403	2,311	43,680	25,437	71,428
Osceola	595,843	123,605	719,448	1,527	15,607	14,694	31,828
Page	3,477,013	1,191,218	4,668,231	9,424	39,339	65,636	114,399
Palo Alto	899,867	170,984	1,070,851	2,271	19,482	20,193	41,946
Plymouth	2,243,365	518,492	2,761,857	5,613	30,909	32,472	68,994
Pocahontas	1,020,164	128,917	1,149,081	2,375	20,988	14,733	38,096
Polk	7,719,330	2,555,310	10,274,640	21,241	101,927	229,544	352,712
Pottawattamie	6,306,928	2,120,402	8,427,330	18,070	108,184	134,329	260,583
Poweshiek	3,660,756	1,600,503	5,261,259	11,141	32,629	53,302	97,072
Ringgold	2,046,180	535,435	2,581,615	5,164	23,644	33,467	62,275
Sac	1,700,095	267,124	1,967,219	4,004	49,423	29,189	82,616
Scott	7,635,905	2,387,890	10,023,795	20,412	85,585	186,046	292,043
Shelby	2,439,579	597,661	3,037,240	6,217	37,121	44,147	87,485
Sioux	1,292,137	259,881	1,552,018	3,288	36,013	25,287	64,588
Story	2,944,916	1,170,296	4,115,212	8,375	47,386	50,171	105,932
Tama	4,615,647	1,380,769	5,996,416	12,492	48,257	64,554	125,303
Taylor	2,821,663	743,600	3,565,263	7,297	43,421	41,560	92,278
Union	2,336,472	961,950	3,298,422	7,144	41,432	65,380	113,956
Van Buren	3,328,446	1,553,153	4,881,599	10,023	40,226	29,961	80,210
Wapello	4,398,862	2,134,131	6,532,993	13,801	80,223	85,262	179,286
Warren	3,670,006	1,118,009	4,788,015	9,689	44,698	32,075	86,462
Washington	3,900,074	1,453,926	5,354,000	10,942	50,272	42,371	103,585
Wayne	2,511,409	1,166,912	3,678,321	7,345	26,328	34,887	68,560
Webster	2,375,675	731,690	3,107,365	6,540	49,904	51,387	107,831
Winnebago	837,277	102,783	940,060	1,880	8,931	16,667	27,478
Winneshiek	3,932,570	1,249,472	5,182,042	10,752	56,754	42,655	110,161
Woodbury	2,685,863	663,707	3,349,570	6,910	58,243	104,755	169,908
Worth	1,195,632	364,260	1,559,892	3,301	17,986	19,289	40,576
Wright	1,286,670	148,998	1,435,668	2,713	16,218	21,238	40,169

TABLE CXXV.—*Assessed value and taxation*—Continued.

MINNESOTA.

NOTE.—The table is for the year ending November 30, 1880. The state tax is inclusive of the tax of one mill for the support of common schools. This is not considered locally a state tax, but as the rate is uniform throughout the state and the levy obligatory, it is here treated as such. The township tax is not exhibited in the table for the same reason as was given in the case of Illinois. It amounted to $540,349. There was also a special state tax, known as the "seed-grain tax", amounting to $92,244, which is not included below. These two sums added to the total taxation there shown make the grand aggregate $4,346,300. See foot-note to page 1508.

State and counties.	Assessed valuation.			Taxation.			
	Real estate.	Personal property.	Total.	State.	County.	City, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	203,446,781	54,581,906	258,028,687	726,399	1,251,838	*a* 1,735,420	*a* 3,713,707
Aitkin	170,920	23,584	194,504	545	5,006	.....	5,551
Anoka	1,344,920	440,165	1,785,085	5,001	8,845	13,447	27,293
Becker	793,040	267,747	1,060,787	2,970	10,415	4,977	18,362
Beltrami	90,476	.....	90,476	163	397	.....	560
Benton	751,883	97,086	848,969	2,377	15,605	3,517	21,499
Big Stone	174,496	213,264	387,760	1,081	1,808	3,522	6,411
Blue Earth	6,205,135	1,352,345	7,557,480	21,162	44,914	45,788	111,864
Brown	2,429,698	611,185	3,040,883	8,514	9,979	23,568	42,061
Carlton	248,139	46,655	294,794	826	5,367	1,153	7,346
Carver	2,591,966	582,719	3,174,685	8,889	14,559	12,318	35,766
Cass	660,928	.....	660,928	1,851	5,263	.....	7,114
Chippewa	722,203	333,292	1,055,495	2,895	5,747	8,394	17,036
Chisago	1,487,113	336,010	1,823,123	5,105	8,305	10,074	23,484
Clay	1,211,216	543,028	1,754,244	4,895	10,104	18,001	33,000
Cottonwood	752,689	329,386	1,082,075	3,031	4,961	7,152	15,144
Crow Wing	239,831	67,756	307,587	862	5,773	1,761	8,396
Dakota	5,117,970	1,235,427	6,353,397	17,789	29,060	35,677	82,526
Dodge	3,332,102	801,641	4,133,743	11,579	16,226	22,614	50,419
Douglas	1,725,123	447,487	2,172,610	6,094	8,958	11,658	26,710
Faribault	3,429,113	791,881	4,220,994	16,052	21,159	23,566	60,777
Fillmore	6,754,738	1,889,557	8,644,295	24,213	22,353	39,638	86,204
Freeborn	4,421,505	806,629	5,228,134	14,664	18,438	24,275	57,377
Goodhue	8,836,734	2,496,177	11,332,911	31,732	51,156	70,999	153,887
Grant	600,399	172,633	773,032	2,164	5,397	5,506	13,067
Hennepin	30,255,371	7,928,103	38,183,474	106,913	78,020	292,828	477,761
Houston	3,311,261	982,415	4,293,676	12,033	25,688	22,667	60,388
Isanti	756,925	149,691	906,616	2,539	8,986	3,431	14,956
Itasca	252,595	.....	252,595	455	1,350	.....	1,805
Jackson	953,468	237,452	1,190,920	3,330	16,656	8,376	28,362
Kanabec	564,633	21,736	586,369	1,639	4,295	447	6,381
Kandiyohi	2,349,160	721,770	3,070,930	8,598	11,001	11,519	31,118
Kittson	64,372	49,757	114,129	320	1,141	844	2,305
Lac-qui-parle	610,439	229,447	839,886	2,363	10,514	3,134	16,011
Lake	115,826	3,251	119,077	333	849	202	1,384
Le Sueur	2,769,217	554,746	3,323,963	9,318	30,896	17,779	57,993
Lincoln	176,469	150,184	326,653	917	1,828	2,125	4,870
Lyon	814,689	313,895	1,128,584	3,161	7,389	14,840	25,390
McLeod	2,370,955	559,484	2,930,439	8,204	23,893	13,521	45,618
Marshall	53,216	48,157	101,373	285	1,662	872	2,819
Martin	1,278,971	361,188	1,640,159	4,592	8,775	12,560	25,927
Meeker	2,488,122	538,962	3,027,084	8,476	13,450	18,553	40,479
Mille Lacs	538,826	53,455	592,281	1,658	8,940	553	11,151
Morrison	1,450,531	185,980	1,636,511	4,578	16,188	8,706	29,472
Mower	5,189,724	1,093,327	6,283,051	17,592	31,085	32,222	80,899
Murray	560,676	171,301	731,977	2,054	5,331	4,123	11,508
Nicollet	2,758,254	763,957	3,522,211	9,862	31,049	15,479	56,390
Nobles	992,591	268,236	1,260,827	3,531	19,047	13,057	35,635
Olmsted	7,027,506	1,984,912	9,012,418	25,234	26,115	46,163	97,512
Otter Tail	2,786,948	888,438	3,675,386	10,299	26,094	25,570	61,963
Pine	606,088	28,524	634,612	1,777	6,658	2,740	11,175

a See foot-note "*a*" to summary, page 1508.

TABLE CXXV.—*Assessed valuation and taxation*—MINNESOTA—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Pipe Stone	73, 376	94, 863	168, 239	470	586	1, 023	2, 079
Polk	1, 289, 848	613, 937	1, 903, 785	5, 334	10, 466	9, 871	25, 671
Pope	1, 049, 309	308, 703	1, 358, 012	3, 802	11, 869	8, 853	24, 524
Ramsey	23, 317, 993	7, 229, 271	30, 547, 264	85, 532	67, 839	287, 286	440, 657
Redwood	1, 471, 250	300, 610	1, 771, 860	4, 961	13, 475	11, 621	30, 057
Renville	1, 563, 175	457, 807	2, 020, 982	5, 659	14, 524	15, 470	35, 653
Rice	5, 295, 209	1, 886, 626	7, 181, 835	20, 109	35, 937	49, 052	105, 098
Rock	886, 883	211, 154	1, 098, 037	3, 065	12, 697	7, 811	23, 573
Saint Louis	1, 419, 659	143, 873	1, 563, 532	4, 378	21, 035	20, 368	45, 781
Scott	2, 507, 297	646, 379	3, 153, 676	8, 830	14, 584	17, 986	41, 400
Sherburne	602, 449	186, 140	788, 589	2, 207	4, 636	4, 958	11, 801
Sibley	2, 597, 085	640, 785	3, 237, 870	9, 067	32, 249	7, 713	49, 029
Stearns	4, 791, 954	1, 092, 416	5, 884, 370	16, 476	25, 554	42, 362	84, 392
Steele	3, 264, 967	950, 652	4, 215, 619	11, 804	20, 001	29, 169	60, 974
Stevens	850, 277	341, 525	1, 191, 802	3, 363	10, 131	11, 138	24, 632
Swift	1, 026, 383	461, 131	1, 487, 514	4, 167	12, 828	10, 045	27, 040
Todd	1, 056, 397	160, 336	1, 216, 733	3, 407	9, 351	9, 271	22, 029
Traverse	130, 661	63, 066	193, 727	543	1, 553	686	2, 782
Wabasha	4, 530, 001	1, 066, 785	5, 596, 786	15, 671	35, 982	39, 981	91, 634
Wadena	265, 180	99, 129	364, 309	1, 022	2, 612	4, 103	7, 737
Waseca	3, 056, 750	606, 093	3, 662, 843	10, 254	31, 617	21, 852	63, 723
Washington	4, 732, 262	1, 542, 295	6, 274, 557	17, 569	43, 288	65, 756	126, 613
Watonwan	825, 376	267, 876	1, 093, 252	3, 061	6, 185	5, 718	14, 964
Wilkin	646, 577	156, 452	803, 029	2, 248	8, 512	1, 390	12, 150
Winona	6, 981, 972	2, 008, 212	8, 990, 184	25, 172	27, 373	60, 107	112, 652
Wright	3, 109, 887	574, 645	3, 684, 532	10, 317	22, 603	21, 011	53, 931
Yellow Medicine	915, 434	297, 123	1, 212, 557	3, 396	7, 706	10, 903	22, 005

MISSOURI.

NOTE.—The valuation is that of 1879, upon which the taxation given is based.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	381, 985, 112	150, 810, 689	532, 795, 801	2, 125, 278	2, 885, 503	5, 258, 955	10, 269, 736
Adair	2, 044, 454	929, 902	2, 974, 356	11, 897	34, 205	10, 099	56, 201
Andrew	2, 877, 580	1, 740, 198	4, 617, 778	18, 471	23, 089	29, 457	71, 017
Atchison	3, 555, 595	1, 543, 088	5, 098, 683	20, 394	25, 493	18, 229	64, 116
Audrain	3, 252, 245	1, 317, 876	4, 570, 121	18, 280	18, 280	29, 517	66, 077
Barry	901, 826	531, 034	1, 432, 860	5, 731	7, 164	5, 902	18, 797
Barton	1, 191, 460	527, 016	1, 718, 476	6, 874	13, 748	9, 211	29, 833
Bates	3, 754, 653	1, 651, 430	5, 406, 083	21, 624	21, 624	24, 381	67, 629
Benton	1, 278, 006	897, 910	2, 175, 916	8, 704	17, 407	6, 244	32, 355
Bollinger	934, 235	554, 035	1, 488, 270	5, 953	7, 441	4, 232	17, 626
Boone	3, 977, 580	2, 043, 417	6, 020, 997	24, 083	54, 189	32, 970	111, 242

TABLE CXXV.—*Assessed valuation and taxation*—MISSOURI—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Buchanan	8,809,690	2,648,918	11,458,608	45,834	140,941	107,721	294,496
Butler	633,785	186,937	820,722	3,283	8,207	7,500	18,990
Caldwell	2,306,325	1,399,901	3,706,226	14,825	18,531	18,558	51,914
Callaway	2,988,455	1,954,120	4,942,575	19,770	53,627	21,100	94,497
Camden	408,029	349,708	757,737	3,031	4,546	4,379	11,956
Cape Girardeau	2,265,160	1,443,420	3,708,580	14,834	14,834	32,425	62,093
Carroll	3,609,038	1,751,455	5,360,493	21,442	37,523	27,271	86,236
Carter	351,381	70,956	422,337	1,689	2,112	555	4,356
Cass	3,424,707	1,763,545	5,188,252	20,753	44,100	18,698	83,551
Cedar	831,508	607,665	1,439,173	5,757	7,196	7,043	19,996
Chariton	3,287,080	1,297,666	4,584,746	18,339	32,093	18,680	69,112
Christian	645,809	435,871	1,081,680	4,327	12,980	4,481	21,788
Clark	2,047,624	889,620	2,937,244	11,749	26,435	12,713	50,897
Clay	2,819,184	1,552,580	4,371,764	17,487	48,089	21,937	87,513
Clinton	3,424,376	1,430,259	4,854,635	19,418	33,982	30,907	84,307
Cole	2,210,747	842,687	3,053,434	12,214	32,977	30,918	76,109
Cooper	3,524,570	1,690,362	5,214,932	20,859	62,579	36,917	120,355
Crawford	1,076,599	730,891	1,807,490	7,230	8,134	3,063	18,427
Dade	904,563	776,757	1,681,320	6,726	15,132	7,048	28,906
Dallas	628,413	437,335	1,065,748	4,263	5,329	2,408	12,060
Daviess	2,455,131	1,486,396	3,941,527	15,766	51,240	19,011	86,017
De Kalb	1,905,395	949,267	2,854,662	11,418	14,273	18,267	43,958
Dent	791,339	338,018	1,129,357	4,518	14,682	3,351	22,551
Douglas	194,615	158,708	353,323	1,414	5,830	1,200	8,444
Dunklin	442,654	337,515	780,169	3,121	15,213	13,000	31,334
Franklin	3,136,518	1,740,075	4,876,593	19,506	58,519	22,044	100,069
Gasconade	1,533,578	1,130,207	2,663,785	10,655	11,987	8,017	30,659
Gentry	2,366,090	1,397,541	3,763,631	15,055	28,227	14,026	57,308
Greene	3,366,573	1,720,628	5,087,201	20,349	38,154	29,506	88,009
Grundy	1,889,700	935,300	2,825,000	11,301	33,900	19,759	64,960
Harrison	2,419,229	1,613,692	4,032,921	16,131	20,165	11,900	48,196
Henry	2,812,310	1,807,710	4,620,020	18,480	23,100	29,080	70,660
Hickory	645,312	509,671	1,154,983	4,619	11,203	3,279	19,101
Holt	2,581,040	1,546,620	4,127,660	16,511	20,638	19,260	56,409
Howard	2,780,957	1,897,419	4,678,376	18,713	23,392	21,956	64,061
Howell	397,804	230,960	628,764	2,515	6,916	2,544	11,975
Iron	1,164,210	351,489	1,515,699	6,063	6,063	2,190	14,316
Jackson	12,473,810	4,882,437	17,356,247	69,425	138,850	381,622	589,897
Jasper	3,371,760	1,643,768	5,015,528	20,062	25,078	45,370	90,510
Jefferson	2,172,232	947,054	3,119,286	12,478	43,358	17,249	73,085
Johnson	4,653,880	2,101,243	6,755,123	27,021	47,286	45,710	120,017
Knox	1,602,438	1,074,329	2,676,767	10,707	16,061	7,401	34,169
Laclede	909,365	586,225	1,495,590	5,983	20,490	8,356	34,829
La Fayette	5,482,355	2,307,530	7,789,885	31,160	77,899	43,828	152,887
Lawrence	1,610,695	1,048,559	2,659,254	10,637	22,604	18,083	51,324
Lewis	2,728,500	1,494,234	4,222,734	16,891	38,005	24,920	79,816
Lincoln	2,701,590	1,136,600	3,838,190	15,353	15,353	15,237	45,943
Linn	2,294,442	1,294,466	3,588,908	14,355	19,739	20,721	54,815
Livingston	2,390,145	1,290,035	3,680,180	14,721	31,282	41,600	87,603
McDonald	462,511	296,270	758,781	3,035	12,140	1,523	16,698
Macon	3,036,132	1,595,951	4,632,083	18,528	25,476	33,346	77,350
Madison	986,145	374,094	1,360,239	5,441	14,283	7,663	27,387
Maries	682,013	346,815	1,028,828	4,115	5,144	3,876	13,135
Marion	5,149,664	2,037,109	7,186,773	28,747	46,714	75,380	150,841
Mercer	1,162,648	993,320	2,155,968	8,624	36,508	10,996	56,128

TABLE CXXV.—*Assessed valuation and taxation*—MISSOURI—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Miller	768,805	462,386	1,231,191	4,925	6,156	4,084	15,165
Mississippi	847,952	374,872	1,222,824	4,891	17,120	3,343	25,354
Moniteau	1,537,770	1,125,125	2,662,895	10,651	13,314	20,140	44,105
Monroe	2,676,700	1,557,700	4,234,400	16,937	46,578	20,799	84,314
Montgomery	1,545,355	1,031,532	2,576,887	10,307	18,038	9,862	38,207
Morgan	1,203,905	570,172	1,774,077	7,096	19,515	10,947	37,558
New Madrid	806,239	334,414	1,140,653	4,562	9,125	.....	13,687
Newton	1,682,875	838,603	2,521,478	10,086	35,301	13,613	59,000
Nodaway	5,014,882	1,997,875	7,012,757	28,051	28,051	35,113	91,215
Oregon	426,065	154,385	580,450	2,322	18,574	3,000	23,896
Osage	1,257,073	1,019,501	2,276,574	9,106	21,627	3,701	34,434
Ozark	141,648	160,686	302,334	1,209	7,044	813	9,066
Pemiscot	582,823	192,311	775,134	3,101	6,201	1,649	10,951
Perry	1,289,521	1,152,803	2,442,324	9,769	6,106	7,338	23,213
Pettis	4,412,105	2,176,415	6,588,520	26,354	75,636	58,708	160,698
Phelps	1,122,802	523,682	1,646,484	6,586	14,818	12,158	33,562
Pike	4,033,705	1,962,406	5,996,111	23,984	89,942	42,743	156,669
Platte	2,814,174	1,489,941	4,304,115	17 216	47,345	20,267	84,828
Polk	1,505,995	856,739	2,362,734	9,451	15,358	6,325	31,134
Pulaski	538,810	263,960	802,770	3,211	15,253	2,218	20,682
Putnam	1,247,994	813,869	2,061,863	8,248	16,495	3,355	28,098
Ralls	2,211,485	1,117,785	3,329,270	13,317	33,293	10,239	56,849
Randolph	2,807,509	1,411,286	4,218,795	16,875	18,985	37,831	73,691
Ray	2,896,542	1,919,470	4,816,012	19,264	19,264	23,712	62,240
Reynolds	587,240	174,917	762,157	3,049	6,478	5,220	14,747
Ripley	515,908	146,096	662,004	2,648	7,282	504	10,434
Saint Charles	5,132,914	1,900,679	7,033,593	28,135	35,168	26,919	90,222
Saint Clair	1,434,435	954,389	2,388,824	9,555	11,944	16,849	38,348
Saint François	1,377,047	627,315	2,004,362	8,017	10,022	9,383	27,422
Sainte Genevieve	1,341,071	807,660	2,148,731	8,595	10,744	15,005	34,344
Saint Louis	13,939,450	2,537,882	16,477,332	65,910	65,909	51,438	183,257
Saint Louis (city)	136,071,670	29,216,730	165,288,400	655,256	.....	3,017,427	3 672,683
Saline	5,659,314	2,740,955	8,400,269	33,601	33,601	25,806	93,008
Schuyler	915,107	520,087	1,435,194	5,741	46,644	4,866	57,251
Scotland	1,421,400	1,062,085	2,483,485	9,934	31,954	13,500	55,388
Scott	1,165,081	565,788	1,730,869	6,923	8,654	2,509	18,086
Shannon	370,604	79,903	450,507	1,802	7,208	308	9,318
Shelby	2,148,138	1,534,206	3,682,344	14,729	18,412	11,054	44,195
Stoddard	902,240	360,718	1,262,958	5,051	12,630	7,832	25,563
Stone	197,411	181,669	379,080	1,517	3,791	920	6,228
Sullivan	1,408,301	1,182,620	2,590,921	10,363	25,909	12,000	48,272
Taney	182,896	181,212	364,108	1,456	7,282	875	9,613
Texas	627,955	327,995	955,950	3,824	11,471	5,652	20,947
Vernon	2,120,069	1,072,035	3,192,104	12,768	12,768	20,248	45,784
Warren	1,185,115	1,006,805	2,191,920	8,768	10,960	8,139	27,867
Washington	1,591,775	566,902	2,158,677	8,634	19,163	7,248	35,045
Wayne	945,956	270,193	1,216,149	4,865	6,081	4,290	15,236
Webster	852,464	644,218	1,496,682	5,986	13,470	.....	19,456
Worth	1,048,779	664,660	1,713,439	6,854	10,281	10,344	27,479
Wright	752,581	377,238	1,129,819	4,519	6,779	2,716	14,014

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

KANSAS.

NOTE.—The valuation is that of 1880, upon which the taxes shown were assessed. The township taxes are not included in the table. For explanation, see foot-note, page 1508. The total amount of township taxes, as reported by the state auditor, is $564,829, which, being added to the taxes given in the table, makes the aggregate of taxation $4,979,650.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	108,432,049	52,459,640	160,891,689	883,139	2,060,878	*a* 1,470,804	*a* 4,414,821
Allen	1,444,428	546,144	1,990,572	10,948	24,680	20,854	56,482
Anderson	1,417,156	681,110	2,098,266	11,540	39,867	12,396	63,803
Atchison	3,411,420	1,535,433	4,946,853	27,208	70,009	65,551	162,768
Barbour	50,087	202,243	252,330	1,388	6,104	762	8,254
Barton	807,503	478,887	1,286,390	7,075	24,013	13,933	45,021
Bourbon	2,384,194	1,166,910	3,551,104	19,531	38,749	58,741	117,021
Brown	2,370,464	931,665	3,302,129	18,162	28,162	22,269	68,593
Butler	2,121,447	586,073	2,707,520	14,891	18,267	26,881	60,039
Chase	1,150,088	565,358	1,715,446	9,490	13,843	8,782	32,115
Chautauqua	707,886	319,595	1,027,481	5,651	19,008	7,232	31,891
Cherokee	1,768,396	812,520	2,580,916	14,195	34,264	12,934	61,393
Clay	1,248,168	510,739	1,758,907	9,674	14,230	18,539	42,443
Cloud	1,106,617	910,183	2,016,800	11,092	24,604	12,196	47,892
Coffey	1,768,783	720,058	2,488,841	13,689	39,363	18,695	71,747
Cowley	1,873,227	1,072,154	2,945,381	16,200	53,498	20,381	90,079
Crawford	1,458,682	754,125	2,212,807	12,170	17,994	24,916	55,080
Davis	871,720	590,356	1,462,076	8,041	26,363	12,985	47,389
Decatur	47,961	108,938	156,899	863	1,548	.....	2,411
Dickinson	2,279,271	724,690	3,003,961	16,522	29,853	30,821	77,196
Doniphan	2,138,984	1,101,121	3,240,105	17,821	35,641	24,516	77,978
Douglas	2,804,372	1,333,918	4,138,290	22,761	66,778	63,963	153,502
Edwards	381,668	225,885	607,553	3,342	8,943	2,885	15,170
Elk	608,539	527,664	1,136,203	6,249	11,943	7,841	26,033
Ellis	416,317	483,414	899,731	4,949	14,754	7,410	27,113
Ellsworth	441,685	502,175	943,860	5,191	17,047	11,618	33,856
Ford	276,740	402,277	679,017	3,735	20,159	3,927	27,821
Franklin	2,150,458	1,085,549	3,236,007	17,798	35,730	34,730	88,258
Greenwood	1,610,247	856,759	2,467,006	13,569	44,403	15,319	73,291
Harper	232,706	80,999	313,705	1,725	3,128	320	5,173
Harvey	1,187,793	708,593	1,896,386	10,430	22,481	29,960	62,871
Hodgeman	202,352	45,511	247,863	995	3,671	.....	4,666
Jackson	1,678,979	691,703	2,370,682	13,039	26,256	25,228	64,523
Jefferson	2,308,701	892,550	3,201,251	17,607	22,394	28,150	68,151
Jewell	1,017,380	721,171	1,738,551	9,562	13,908	16,534	40,004
Johnson	2,277,446	1,295,697	3,573,143	19,652	44,873	29,839	94,364
Kingman	214,798	65,966	280,764	1,544	2,812	268	4,624
Labette	1,750,888	959,155	2,710,043	14,905	45,849	37,891	98,645
Leavenworth	4,841,173	1,534,705	6,375,878	35,067	87,810	38,234	161,111
Lincoln	475,596	238,937	714,533	3,930	13,509	4,699	22,138
Linn	1,838,225	989,517	2,827,742	15,553	31,341	22,558	69,453
Lyon	2,841,286	1,485,570	4,326,856	23,798	56,373	31,475	111,646
McPherson	1,399,587	656,930	2,056,517	11,311	23,043	9,504	43,858
Marion	1,427,776	684,471	2,112,247	11,617	39,145	15,465	66,227
Marshall	2,185,812	764,851	2,950,663	16,229	31,001	26,665	73,895
Miami	2,853,560	1,309,386	4,162,946	22,896	51,986	30,492	105,274
Mitchell	1,072,726	761,462	1,834,188	10,088	22,969	22,038	55,095
Montgomery	1,891,741	683,968	2,575,709	14,166	60,804	22,826	97,796
Morris	1,131,652	467,769	1,599,421	8,797	23,584	9,988	42,369
Nemaha	2,072,247	870,533	2,942,780	16,185	23,542	27,955	67,682
Neosho	1,533,900	727,184	2,261,084	12,436	15,266	18,935	46,637

a See foot-note "*a*" to summary, page 1508.

TABLE CXXV.—*Assessed valuation and taxation*—KANSAS—Continued.

States and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Norton	131,106	193,816	324,922	1,608	5,264	415	7,287
Osage	2,289,157	1,181,746	3,470,903	19,090	41,814	36,406	97,310
Osborne	550,722	516,000	1,066,722	5,867	14,560	7,304	27,731
Ottawa	900,281	439,976	1,340,257	7,371	19,475	11,368	38,214
Pawnee	684,632	389,032	1,073,664	5,905	16,523	11,199	33,627
Phillips	380,048	288,736	668,784	3,678	15,525	8,913	28,116
Pottawatomie	2,228,347	1,195,794	3,424,141	18,833	20,479	22,284	61,596
Pratt	32,857	19,397	52,254	287	1,280	21	1,588
Reno	1,359,648	484,203	1,843,851	10,141	31,391	21,026	62,558
Republic	1,215,158	387,247	1,602,405	8,813	24,015	11,452	44,280
Rice	685,420	432,009	1,117,429	6,146	19,092	6,624	31,862
Riley	1,392,439	726,639	2,119,078	11,655	12,810	15,887	40,352
Rooks	107,354	142,960	250,314	1,377	3,307	409	5,093
Rush	194,971	79,411	274,382	1,509	6,197	2,112	9,818
Russell	466,553	548,859	1,015,412	5,585	15,203	4,556	25,344
Saline	1,952,971	871,968	2,824,939	15,537	35,310	36,306	87,153
Sedgwick	2,414,131	771,635	3,185,766	17,522	46,340	22,206	86,068
Shawnee	4,836,431	1,661,566	6,497,997	35,739	68,486	94,160	198,385
Smith	568,259	514,030	1,082,289	5,953	15,092	3,730	24,775
Stafford	271,690	77,303	348,993	1,440	4,173	22	5,635
Sumner	2,263,146	613,700	2,876,846	15,823	42,853	16,334	75,010
Trego	341,438	377,494	718,932	3,954	6,783	.....	10,737
Wabaunsee	1,415,062	451,738	1,866,800	10,267	22,233	14,394	46,894
Washington	1,682,345	657,865	2,340,210	12,871	22,849	21,871	57,591
Wilson	1,341,365	575,392	1,916,757	10,542	23,980	18,763	53,285
Woodson	1,050,142	350,850	1,400,992	7,705	17,055	11,055	35,815
Wyandotte	2,123,544	761,736	2,885,280	15,076	63,227	61,886	140,189
Unorg'd counties	.....	*a* 1,375,967	1,375,967	7,568	.....	.....	7,568

a Value of railroads.

NEBRASKA.

NOTE.—The table exhibits the assessment and taxation for 1880.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	55,073,375	35,512,407	90,585,782	355,465	1,522,229	914,786	2,792,480
Adams	1,218,238	724,822	1,943,060	7,772	32,284	24,290	64,346
Antelope	309,723	204,410	514,133	2,056	4,143	6,079	12,278
Boone	365,797	146,159	511,956	2,047	10,000	5,266	17,313
Buffalo	657,971	885,023	1,542,994	6,171	30,274	16,951	53,396
Burt	1,155,311	665,268	1,820,579	7,282	34,349	17,077	58,708
Butler	1,525,933	696,990	2,222,923	8,335	27,154	13,127	48,616
Cass	1,971,433	1,457,550	3,428,983	13,715	45,828	25,653	85,196
Cedar	747,441	213,051	960,492	3,842	9,324	5,957	19,123
Cheyenne	113,768	1,872,763	1,986,531	7,945	39,635	5,450	53,030
Clay	1,178,967	839,497	2,018,464	7,569	23,544	34,796	65,909

TABLE CXXV.—*Assessed valuation and taxation*—NEBRASKA—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Colfax	940,167	476,040	1,416,207	5,664	35,535	9,164	50,363
Cuming	1,348,161	526,048	1,874,209	7,028	30,607	15,690	53,325
Custer	1,294	228,100	229,394	918	1,800	381	3,099
Dakota	533,758	241,696	775,454	2,908	15,914	4,367	23,189
Dawson	174,117	528,641	702,758	2,811	25,000	5,451	33,262
Dixon	678,534	253,457	931,991	3,494	10,263	6,661	20,418
Dodge	1,382,645	987,494	2,370,139	9,480	38,863	28,837	77,180
Douglas	5,344,234	2,515,598	7,859,832	31,438	114,545	170,287	316,270
Fillmore	1,087,798	675,200	1,762,998	7,051	27,707	25,308	60,066
Franklin	408,923	378,910	787,833	3,150	12,000	13,123	28,273
Frontier	13,236	156,097	169,333	676	1,031	264	1,971
Furnas	270,776	333,333	604,109	2,265	6,250	4,534	13,049
Gage	1,694,691	719,105	2,413,796	9,655	53,000	19,342	81,997
Gosper	7,443	68,087	75,530	301	1,724	156	2,181
Greeley	199,197	59,446	258,643	1,033	3,452	2,993	7,478
Hall	1,098,983	820,097	1,919,080	7,677	15,539	25,717	48,933
Hamilton	1,014,149	492,941	1,507,090	5,652	12,159	16,163	33,974
Harlan	201,903	292,364	494,267	1,977	3,000	3,973	8,950
Hitchcock	11,467	116,972	128,439	513	1,162	375	2,050
Holt	32,493	193,987	226,480	906	1,385	580	2,871
Howard	379,728	235,224	614,952	2,306	16,393	7,457	26,156
Jefferson	894,477	459,717	1,354,194	5,417	20,894	16,751	43,062
Johnson	1,269,377	581,407	1,850,784	5,552	27,534	11,422	44,508
Kearney	397,443	264,719	662,162	2,649	19,865	6,128	28,642
Keith	6,650	586,212	592,862	2,371	4,743	.....	7,114
Knox	394,607	180,186	574,793	2,299	9,986	5,965	18,250
Lancaster	3,182,764	1,746,619	4,929,383	19,718	139,783	59,591	219,092
Lincoln	264,322	988,010	1,252,332	5,008	22,166	3,611	30,785
Madison	508,271	446,614	954,885	3,819	8,906	7,940	20,665
Merrick	723,177	760,876	1,484,053	5,937	33,510	18,027	57,474
Nance	99,649	59,201	158,850	635	5,308	853	6,796
Nemaha	1,113,687	733,555	1,847,242	7,388	29,139	23,662	60,189
Nuckolls	898,741	247,568	1,146,309	4,584	21,034	11,479	37,097
Otoe	2,352,147	1,243,492	3,595,639	14,381	91,130	16,207	121,718
Pawnee	1,404,919	663,352	2,068,271	7,756	24,131	10,825	42,712
Phelps	13,986	112,095	126,081	505	1,887	811	3,203
Pierce	609,972	46,065	656,037	2,624	10,014	4,105	16,743
Platte	1,341,076	842,325	2,183,401	8,733	43,090	18,759	70,582
Polk	872,721	363,800	1,236,521	4,636	28,000	8,281	40,917
Red Willow	40,122	89,175	129,297	517	556	850	1,923
Richardson	1,805,768	1,025,769	2,831,537	11,325	53,742	18,175	83,242
Saline	1,435,285	994,837	2,430,122	9,720	31,982	24,546	66,248
Sarpy	741,399	510,090	1,251,489	5,006	16,307	8,705	30,018
Saunders	1,363,686	730,220	2,093,906	8,374	38,390	22,327	69,091
Seward	1,359,206	796,343	2,155,549	8,621	30,347	31,012	69,980
Sherman	168,490	105,715	274,205	1,096	4,952	1,758	7,806
Stanton	457,932	153,342	611,274	2,445	7,351	4,275	14,071
Thayer	982,913	469,497	1,452,410	5,809	16,717	14,125	36,651
Valley	297,300	89,599	386,899	1,524	9,673	3,922	15,119
Washington	1,047,363	611,416	1,658,779	6,635	21,318	18,275	46,228
Wayne	563,749	32,915	596,664	2,386	7,697	2,642	12,725
Webster	434,021	514,508	948,529	3,793	28,027	11,937	43,757
York	1,959,876	1,058,798	3,018,674	10,565	30,186	12,351	53,102

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

COLORADO.

NOTE.—The table is for the fiscal year ending November 30, 1880.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	35, 604, 197	38, 867, 496	74, 471, 693	372, 359	1, 209, 808	569, 841	2, 152, 008
Arapahoe	14, 052, 913	4, 777, 690	18, 830, 603	94, 153	311, 248	236, 181	641, 582
Bent	178, 788	2, 557, 324	2, 736, 112	13, 681	27, 297	1, 588	42, 566
Boulder	2, 015, 155	1, 385, 830	3, 400, 985	17, 005	189, 423	20, 496	226, 924
Chaffee	350, 346	652, 148	1, 002, 494	5, 012	17, 047	19, 788	41, 847
Clear Creek	1, 170, 112	788, 813	1, 958, 925	9, 795	20, 264	16, 961	47, 020
Conejos	80, 588	392, 163	472, 751	2, 364	9, 545	673	12, 582
Costilla	294, 442	422, 391	716, 833	3, 584	10, 867	2, 407	16, 858
Custer	644, 522	905, 864	1, 550, 386	7, 752	18, 775	1, 428	27, 955
Douglas	384, 813	746, 074	1, 130, 887	5, 654	15, 694	3, 109	24, 457
Elbert	101, 234	1, 493, 930	1, 595, 164	7, 976	22, 035	1, 112	31, 123
El Paso	2, 252, 620	2, 067, 700	4, 320, 320	21, 602	*a* 28, 641	31, 732	81, 975
Fremont	586, 356	1, 110, 649	1, 697, 005	8, 485	27, 145	1, 776	37, 406
Gilpin	1, 250, 226	700, 644	1, 950, 870	9, 754	47, 225	40, 639	97, 618
Grand	19, 910	134, 583	154, 493	772	1, 487	.....	2, 259
Gunnison	149, 064	447, 489	596, 553	2, 983	5, 393	2, 000	10, 376
Hinsdale	362, 062	208, 406	570, 468	2, 852	9, 804	2, 464	15, 120
Huerfano	93, 744	855, 744	949, 488	4, 747	12, 722	1, 849	19, 318
Jefferson	1, 635, 888	1, 138, 819	2, 774, 707	13, 874	33, 744	18, 187	65, 805
Lake	3, 875, 510	7, 250, 664	11, 126, 174	55, 631	200, 273	88, 413	344, 317
La Plata	76, 701	337, 919	414, 620	2, 073	6, 228	440	8, 741
Larimer	740, 810	1, 338, 995	2, 079, 805	10, 399	37, 564	4, 584	52, 547
Las Animas	416, 854	1, 663, 770	2, 080, 624	10, 403	17, 634	2, 952	30, 989
Ouray	145, 097	189, 328	334, 425	1, 672	*a* 4, 669	4, 267	10, 608
Park	330, 572	1, 019, 415	1, 349, 987	6, 750	*a* 12, 700	1, 248	20, 698
Pueblo	1, 578, 777	2, 100, 323	3, 679, 100	18, 396	47, 828	37, 324	103, 548
Rio Grande	177, 674	263, 435	441, 109	2, 206	7, 441	7, 907	17, 554
Routt	19, 455	66, 409	85, 864	429	3, 291	.....	3, 720
Saguache	295, 373	614, 962	910, 335	4, 552	15, 759	1, 127	21, 438
San Juan	223, 534	178, 445	401, 979	2, 010	8, 304	300	10, 614
Summit	229, 157	307, 238	536, 395	2, 682	8, 409	10, 935	22, 026
Weld	1, 871, 900	2, 750, 332	4, 622, 232	23, 111	31, 352	7, 954	62, 417

a Partly estimated.

NEVADA.

NOTE.—The table exhibits the valuation of 1879, and the taxation based upon it (for 1880). The statutes provide for a poll tax of $4, one-half the revenue of which goes to the state and the other to the counties. The amount of this in 1880 is not known, and, therefore, is not included, but in 1879 it was about $62,000, or $31,000 for the state and an equal amount for the counties.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	17, 941, 030	11, 350, 429	29, 291, 459	161, 101	619, 169	91, 403	871, 673
Churchill	270, 395	177, 190	447, 585	2, 462	9, 847	.....	12, 309
Douglas	561, 307	276, 449	837, 756	4, 608	20, 944	.....	25, 552
Elko	1, 774 091	1, 237, 901	3, 011, 992	16, 566	64, 758	.....	81, 324
Esmeralda	517, 440	427, 264	944, 704	5, 194	19, 366	.....	24, 560
Eureka	2, 114, 002	1, 423, 072	3, 537, 074	19, 454	86, 659	39, 924	146, 037

TABLE CXXV.—*Assessed valuation and taxation*—NEVADA—Continued.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Humboldt	1,515,541	1,096,237	2,611,778	14,365	53,541	.....	67,906
Lander	587,061	1,038,373	1,625,434	8,940	48,763	148	57,851
Lincoln	514,217	321,158	835,375	4,595	23,809	24	28,428
Lyon	875,773	378,073	1,253,846	6,896	22,569	707	30,172
Nye	460,965	510,795	971,760	5,345	25,266	.....	30,611
Ormsby	1,600,396	867,879	2,468,275	13,575	54,302	6,287	74,164
Storey	4,224,289	1,786,450	6,010,739	33,059	120,215	41,804	195,078
Washoe	2,339,915	1,266,378	3,606,293	19,834	41,473	2,509	63,816
White Pine	585,638	543,210	1,128,848	6,208	27,657	.....	33,865

OREGON.

NOTE.—The gross valuation made use of was for the year 1880. This valuation makes no allowance for the amount of indebtedness owed by individuals within the state and for exemption of household property. The indebtedness and exemptions obtained were for 1879. These were deducted from the gross valuations to secure the results shown in the table, the subtraction being made from the personal property in all counties except Clackamas, Douglas, and Jackson, where it was taken out of the real estate, the personal property not being sufficiently large to admit of such diminution. The total amount of deductions thus made was $20,554,473 for indebtedness and $4,843,937 for exemptions. The taxation is for the year 1880, and is based on the valuation of 1879 ($46,422,817). The three-mill tax for the support of common schools is locally considered a county tax, but as the rate is uniform and the levy obligatory throughout the state, it is here treated as a state tax.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	32,584,966	19,937,118	52,522,084	464,229	454,699	195,014	1,113,942
Baker	187,078	744 161	931,239	8,746	16,189	100	25,035
Benton	*a* 1,000,000	*a* 726,387	1,726,387	17,264	14,622	3,369	35,255
Clackamas	3,610,233	2,407,761	6,017,994	19,086	22,520	11,644	53,250
Clatsop	545,692	590,407	1,136,099	11,593	*b* 12,094	12,725	36,412
Columbia	192,899	112,384	305,283	3,000	4,307	.....	7,307
Coos	758,903	73,432	832,335	8,940	14,336	1,380	24,656
Curry	128,267	91,066	219,333	2,437	3,248	.....	5,685
Douglas	1,810,060	438,925	2,248,985	21,400	25,240	2,165	48,805
Grant	127,643	961,354	1,088,997	11,023	20,230	1,867	33,120
Jackson	760,918	688,705	1,449,623	14,670	15,656	4,740	35,066
Josephine	157,646	95,948	253,594	2,783	7,297	752	10,832
Lake	287,375	336,324	623,699	8,513	8,993	.....	17,506
Lane	2,490,723	588,033	3,078,756	33,013	21,209	7,478	61,700
Linn	3,677,885	656,594	4,334,479	44,909	24,163	8,409	77,481
Marion	3,770,161	213,009	3,983,170	39,223	44,922	15,145	99,290
Multnomah	5,300,995	6,210,063	11,511,058	106,333	81,657	111,949	299,939
Polk	1,424,466	326,745	1,751,211	15,994	14,408	1,922	32,324
Tillamook	74,104	18,773	92,877	840	1,407	850	3,097
Umatilla	919,561	1,175,162	2,094,723	15,320	18,689	5,857	39,866
Union	763,997	501,597	1,265,594	11,170	23,349	645	35,164
Wasco	862,726	2,028,459	2,891,185	22,626	21,305	.....	43,931
Washington	2,069,500	68,130	2,137,630	20,693	18,743	2,419	41,855
Yam Hill	1,664,134	883,699	2,547,833	24,653	20,115	1,598	46,366

a The total valuation is correct, but the division into real estate and personal property is estimated.
b The poll tax is estimated at $500.

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

CALIFORNIA.

NOTE.—The fiscal year considered in the table is the one closing June 30, 1879. The valuation for the following year was: Real estate, $436,557,491; personal property, $111,065,278; total, $547,622,769; and the total valuation a year later (ending June 30, 1881) was $666,202,674. There is in California a poll tax of $2, devoted to school purposes. This is not included in the tabular exhibit, as it was found impossible to obtain the correct figures; but the amount of the collections for the year ending June 30, 1881, was $316,869. It is probable that this amount represents very nearly the revenue from this source for the year ending June 30, 1879. This sum, therefore, less $69,418 (see what is said of taxes of San Francisco further on), may properly be added to the amount of state (or county) school tax given in the table. Under the old constitution this was locally held to be a county tax, since each county retained for its own use whatever accrued therefrom. Under the new constitution it has been made a state tax proper, and is paid into the state treasury. The amount derived from poll taxes in San Francisco, being known ($69,418), is included in the $489,109 of school-district taxes. The county and city of San Francisco are identical in area, and all local taxes are embraced in the city and the school-district taxes.

State and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	State.	County.	City, town, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The State	466, 273, 585	118, 304, 451	584, 578, 036	3, 215, 177	4, 059, 471	5, 353, 357	12, 628, 005
Alameda	39, 105, 894	3, 716, 983	42, 822, 877	235, 526	228, 526	369, 058	833, 110
Alpine	284, 159	256, 100	540, 259	2, 972	11, 778	300	15, 050
Amador	1, 847, 870	620, 772	2, 468, 642	13, 578	48, 139	.....	61, 717
Butte	8, 653, 077	2, 090, 349	10, 743, 426	59, 089	128, 921	18, 733	206, 743
Calaveras	1, 245, 669	626, 081	1, 871, 750	10, 294	47, 730	.....	58, 024
Colusa	10, 642, 916	1, 777, 392	12, 420, 308	68, 311	117, 993	12, 133	198, 437
Contra Costa	6, 381, 081	964, 015	7, 345, 096	40, 3[illegible]8	102, 831	216	143, 445
Del Norte	434, 789	261, 831	696, 620	3, 831	13, 584	.....	17, 415
El Dorado	1, 556, 620	755, 970	2, 312, 590	12, 719	35, 845	.....	48, 564
Fresno	4, 143, 578	2, 211, 018	6, 354, 596	34, 950	83, 881	.....	118, 831
Humboldt	3, 875, 995	1, 605, 551	5, 481, 546	30, 149	93, 186	12, 431	135, 766
Inyo	781, 898	571, 402	1, 353, 300	7, 443	33, 156	1, 506	42, 105
Kern	4, 316, 653	1, 688, 807	6, 005, 460	33, 030	93, 085	65	126, 180
Lake	1, 662, 024	514, 990	2, 177, 014	11, 973	44, 846	1, 397	58, 216
Lassen	590, 853	639, 911	1, 230, 764	6, 770	25, 231	121	32, 122
Los Angeles	13, 731, 872	2, 636, 777	16, 368, 649	90, 028	210, 369	86, 308	386, 705
Marin	7, 071, 156	1, 342, 194	8, 413, 350	46, 273	92, 547	.....	138, 820
Mariposa	879, 127	415, 921	1, 295, 048	7, 122	31, 081	.....	38, 203
Mendocino	4, 033, 950	1, 942, 013	5, 975, 963	32, 868	86, 651	919	120, 438
Merced	4, 182, 104	1, 126, 141	5, 308, 245	29, 195	76, 970	1, 284	107, 449
Modoc	582, 985	684, 319	1, 267, 304	6, 970	18, 376	600	25, 946
Mono	605, 150	364, 715	969, 865	5, 335	21, 337	9, 397	36, 069
Monterey	6, 016, 424	1, 168, 771	7, 185, 195	39, 518	68, 259	10, 043	117, 820
Napa	6, 718, 390	1, 297, 951	8, 016, 341	44, 090	100, 204	30, 059	174, 353
Nevada	5, 492, 909	1, 433, 309	6, 926, 218	38, 094	93, 504	8, 868	140, 466
Placer	4, 277, 253	1, 497, 607	5, 774, 860	31, 761	60, 636	3, 318	95, 715
Plumas	1, 546, 210	568, 963	2, 115, 173	11, 633	39, 131	1, 004	51, 768
Sacramento	14, 213, 568	4, 202, 770	18, 416, 338	101, 290	174, 955	262, 727	538, 972
San Benito	3, 410, 501	537, 227	3, 947, 728	21, 712	37, 503	2, 784	61, 999
San Bernardino	2, 156, 253	420, 720	2, 576, 973	14, 173	48, 938	6, 514	69, 625
San Diego	2, 382, 795	1, 142, 458	3, 525, 253	19, 389	61, 692	13, 710	94, 791
San Francisco	190, 389, 410	54, 237, 350	244, 626, 760	1, 345, 447	.....	4, 131, 667	5, 477, 114
San Joaquin	14, 502, 255	2, 874, 874	17, 377, 129	95, 575	165, 083	86, 611	347, 269
San Luis Obispo	3, 414, 838	961, 246	4, 376, 084	24, 068	55, 576	6, 188	85, 832
San Mateo	5, 624, 855	730, 825	6, 355, 680	34, 957	92, 157	4, 207	131, 321
Santa Barbara	4, 395, 076	942, 562	5, 337, 638	29, 357	58, 714	9, 455	97, 526
Santa Clara	24, 181, 865	3, 421, 375	27, 603, 240	151, 817	289, 834	77, 406	519, 057
Santa Cruz	5, 412, 514	897, 210	6, 309, 724	34, 704	101, 587	18, 843	155, 134
Shasta	1, 084, 196	877, 240	1, 961, 436	10, 788	38, 248	.....	49, 036
Sierra	1, 156, 966	339, 622	1, 496, 588	8, 231	30, 680	5, 998	44, 909
Siskiyou	1, 503, 092	1, 148, 275	2, 651, 367	14, 583	33, 142	2, 885	50, 610
Solano	7, 407, 641	1, 635, 240	9, 042, 881	49, 736	131, 122	17, 672	198, 530
Sonoma	12, 884, 150	2, 685, 212	15, 569, 362	85, 632	154, 136	34, 240	274, 008
Stanislaus	5, 068, 521	1, 163, 920	6, 232, 441	34, 279	61, 078	476	95, 833
Sutter	3, 368, 429	752, 022	4, 120, 451	22, 663	49, 445	2, 900	75, 008
Tehama	3, 022, 073	1, 177, 925	4, 199, 998	23, 100	81, 900	560	105, 560
Trinity	538, 675	329, 821	868, 496	4, 777	19, 106	.....	23, 883
Tulare	4, 010, 859	1, 193, 918	5, 204, 777	28, 626	96, 809	5, 252	130, 687
Tuolumne	1, 080, 685	515, 330	1, 596, 015	8, 778	31, 920	1, 829	42, 527
Ventura	2, 711, 630	558, 531	3, 270, 161	17, 985	50, 688	3, 280	71, 953
Yolo	8, 604, 742	1, 572, 685	10, 177, 427	55, 975	104, 828	11, 054	171, 857
Yuba	3, 087, 390	1, 206, 240	4, 293, 630	23, 615	82, 533	79, 339	185, 487

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

THE TERRITORIES.

ARIZONA TERRITORY.

Territory and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	Territorial.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The Territory	3,922,961	5,347,253	9,270,214	55,620	220,471	16,945	293,036
Apache	150,000	450,000	600,000	3,600	11,970	.....	15,570
Maricopa	371,805	543,326	915,131	5,491	20,129	1,955	27,575
Mohave	193,466	277,477	470,943	2,824	10,907	.....	13,731
Pima	1,348,845	1,502,367	2,851,212	17,107	89,480	10,738	117,325
Pinal	852,535	1,352,594	2,205,129	13,231	23,600	.....	36,831
Yavapai	757,530	1,050,872	1,808,402	10,851	54,099	4,252	69,202
Yuma	248,780	170,617	419,397	2,516	*a* 10,286	.....	12,802

a Partly estimated.

DAKOTA TERRITORY.

NOTE.—The table is for the year 1880.

Territory and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	Territorial.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The Territory	13,333,918	6,987,612	20,321,530	101,609	296,692	79,765	478,066
Barnes	1,115,205	65,963	1,181,168	5,906	3,544	337	9,787
Bonhomme	344,218	255,981	600,199	3,001	1,800	1,470	6,271
Brookings	51,867	208,145	260,012	1,300	2,000	192	3,492
Brulé	42,056	20,027	62,083	310	.....	.....	310
Burleigh	390,776	259,854	650,630	3,253	18,218	3,489	24,960
Cass	2,568,554	396,800	2,965,354	14,827	34,354	19,420	68,601
Charles Mix	1,115	25,778	26,893	135	.....	.....	135
Clay	504,113	218,167	722,280	3,612	11,435	7,582	22,629
Codington	136,819	75,103	211,922	1,060	400	397	1,857
Custer	28,883	73,456	102,339	512	2,172	112	2,796
Davison	23,895	38,926	62,821	313	1,005	.....	1,318
Deuel	350,614	89,342	439,956	2,200	1,760	372	4,332
Grand Forks	376,008	390,743	766,751	3,834	6,325	.....	10,159
Grant	49,570	115,832	165,402	828	496	.....	1,324
Hamlin	123,844	21,303	145,147	725	240	.....	965
Hanson	36,156	24,979	61,135	305	675	517	1,497
Hutchinson	102,946	296,041	398,987	1,995	*a* 3,000	687	5,682
Kingsbury	15,961	37,273	53,234	266	212	.....	478
Lake	57,169	128,846	186,015	930	2,604	.....	3,534
Lawrence	738,969	1,454,300	2,193,269	10,967	98,698	.....	109,665
Lincoln	641,207	258,080	899,287	4,497	26,979	5,698	37,174
McCook	28,650	33,898	62,548	313	*a* 1,000	.....	1,313
Minnehaha	885,312	412,149	1,297,461	6,487	12,608	4,967	24,062
Moody	233,713	195,297	429,010	2,145	4,600	510	7,255
Pembina	118,107	149,636	267,743	1,338	2,826	393	4,557
Pennington	40,606	148,837	189,443	947	7,767	.....	8,714
Richland	782,152	315,656	1,097,808	5,489	5,360	.....	10,849
Spink	1,743	8,132	9,875	50	.....	.....	50
Stutsman	913,138	71,686	984,824	4,924	5,888	197	11,009
Traill	648,367	223,927	872,294	4,362	*a* 6,000	1,000	11,362
Turner	294,654	262,654	557,308	2,787	7,579	2,688	13,054
Union	554,893	261,336	816,229	4,081	8,162	9,310	21,553
Yankton	1,132,638	449,465	1,582,103	7,910	18,985	20,427	47,322

a Estimated.

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

IDAHO TERRITORY.

NOTE.—The table is for the year ending September 30, 1880. The territorial taxes are reported biennially, in gross, for the two years. One-half of these sums was taken as a just amount for a single year, nothing more exact being obtainable.

Territory and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	Territorial.	County.	City and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The Territory.	2, 297, 526	4, 143, 350	6, 440, 876	48, 456	139, 088	8, 343	195, 887
Ada	599, 950	725, 202	1, 325, 152	9, 873	27, 082	4, 955	41, 910
Alturas	124, 590	247, 001	371, 591	2, 639	18, 969	.....	21, 608
Bear Lake	39, 452	109, 027	148, 479	1, 096	2, 373	2, 175	5, 644
Boisé	284, 007	429, 520	713, 527	8, 263	13, 474	.....	21, 737
Cassia	22, 625	281, 753	304, 378	1, 149	8, 450	40	9, 639
Idaho	179, 375	353, 608	532, 983	3, 877	12, 845	.....	16, 722
Lemhi	91, 682	441, 040	532, 722	3, 370	9, 120	.....	12, 490
Nez Percé	406, 787	457, 950	864, 737	4, 471	14, 391	862	19, 724
Oneida	292, 908	585, 814	878, 722	5, 975	12, 737	.....	18, 712
Owyhee	193, 290	349, 606	542, 896	6, 300	10, 900	311	17, 511
Shoshone	16, 210	29, 436	45, 646	724	3, 911	.....	4, 635
Washington	46, 650	133, 393	180, 043	719	4, 836	.....	5, 555

MONTANA TERRITORY.

NOTE.—The table is for the year 1880.

Territory and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	Territorial.	County.	City and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The Territory.	5, 077, 162	13, 532, 640	18, 609, 802	55, 829	317, 337	10, 781	383, 947
Beaver Head	380, 655	1, 089, 379	1, 470, 034	4, 410	24, 990	.....	29, 400
Choteau	251, 710	1, 291, 063	1, 542, 773	4, 628	20, 056	.....	24, 684
Custer	1, 675	494, 898	496, 573	1, 490	9, 435	.....	10, 925
Deer Lodge	1, 390, 020	2, 940, 486	4, 330, 506	12, 992	82, 280	2, 700	97, 972
Gallatin	671, 210	1, 284, 010	1, 955, 220	5, 866	31, 284	3, 370	40, 520
Jefferson	250, 258	751, 207	1, 001, 465	3, 004	19, 027	229	22, 260
Lewis and Clarke	1, 243, 680	2, 110, 645	3, 354, 325	10, 063	57, 024	3, 876	70, 963
Madison	481, 961	1, 532, 197	2, 014, 158	6, 042	36, 255	606	42, 903
Meagher	192, 475	1, 504, 600	1, 697, 075	5, 091	18, 668	.....	23, 759
Missoula	213, 518	534, 155	747, 673	2, 243	18, 318	.....	20, 561

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

NEW MEXICO TERRITORY.

Territory and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	Territorial.	County.	City, etc.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The Territory	4,788,764	6,574,642	11,363,406	56,223	70,719	.....	126,942
Bernalillo (*a*)	.....	.....	.....	.....	.....	.....	.....
Coltax	759,775	927,976	1,687,751	8,205	12,307	.....	20,512
Doña Aña	244,573	374,681	619,254	3,096	4,644	.....	7,740
Grant	176,537	706,159	882,696	4,414	6,621	.....	11,035
Lincoln (*a*)	.....	.....	.....	.....	.....	.....	.....
Mora	225,593	404,400	629,993	*b* 3,149	*b* 3,269	.....	6,418
Rio Arriba	170,000	225,000	395,000	*b* 1,581	*b* 3,740	.....	5,321
San Miguel	647,286	1,536,426	2,183,712	*b* 10,919	*b* 13,962	.....	24,881
Santa Fé	1,000,000	1,300,000	2,300,000	*b* 11,500	*b* 11,500	.....	23,000
Socorro	230,000	150,000	380,000	*b* 1,934	*b* 2,888	.....	4,822
Taos	100,000	75,000	175,000	*b* 875	*b* 1,238	.....	2,113
Valencia	1,235,000	875,000	2,110,000	*b* 10,550	*b* 10,550	.....	21,100

a No report received, nor data obtainable for estimates. *b* Estimated.

UTAH TERRITORY.

NOTE.—The school-district tax is for 1879, while the other taxes are for a year later.

Territory and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	Territorial.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The Territory	14,779,344	9,995,935	24,775,279	148,650	155,706	130,882	435,238
Beaver	373,334	186,666	560,000	3,360	9,226	1,174	13,760
Box Elder	343,800	1,617,190	1,960,990	11,766	11,872	1,785	25,423
Cache	*a* 852,382	*a* 426,193	1,278,575	7,672	7,671	15,736	31,079
Davis	736,170	242,020	978,190	5,870	3,413	3,567	12,850
Iron	108,011	324,031	432,042	2,592	2,557	3,846	8,995
Juab	*a* 301,464	*a* 150,733	452,197	2,714	2,713	227	5,654
Kane	139,274	208,912	348,186	2,090	2,140	1,457	5,687
Millard	152,891	197,355	350,246	2,102	2,008	824	4,934
Morgan	140,151	253,317	393,468	2,360	3,542	388	6,290
Pi Ute	20,595	103,789	124,384	746	729	504	1,979
Rich	150,000	67,000	217,000	1,302	1,092	49	2,443
Salt Lake	6,373,017	2,778,669	9,151,686	54,910	54,039	47,714	156,663
Sanpete	571,545	285,773	857,318	5,144	5,044	8,274	18,462
Sevier	185,951	198,519	384,470	2,306	3,517	2,067	7,890
Summit	454,594	554,506	1,009,100	6,054	9,615	1,117	16,786
Tooele	437,220	447,205	884,425	5,306	4,564	3,315	13,185
Utah	1,400,000	700,000	2,100,000	12,600	11,042	13,129	36,771
Wasatch	112,170	181,663	293,833	1,762	1,882	2,430	6,074
Washington	433,425	325,717	759,142	4,554	5,600	4,530	14,684
Weber	*a* 1,493,350	*a* 746,677	2,240,027	13,440	13,440	18,749	45,629

a The total valuations of the counties of Cache, Juab, and Weber were received from county officials. The subdivision into real and personal property has been estimated in the Census Office.

TABLE CXXV.—*Assessed valuation and taxation*—Continued.

WASHINGTON TERRITORY.

NOTE.—The tabular exhibit is for 1880.

Territory and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	Territorial.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The Territory	11,335,923	12,474,770	23,810,693	71,796	393,150	40,471	505,417
Chehalis	382,994	98,336	481,330	1,444	8,783	120	10,347
Clallam	85,595	48,084	133,679	401	3,001	.....	3,402
Clarke	596,410	348,645	945,055	2,835	22,042	2,500	27,377
Columbia	993,878	1,802,240	2,796,118	8,388	38,647	.....	47,035
Cowlitz	549,946	326,468	876,414	2,629	14,984	925	18,538
Island	281,384	79,199	360,583	1,082	4,643	1,200	6,925
Jefferson	330,858	146,336	477,194	1,432	8,424	3,774	13,630
King	1,344,700	642,775	1,987,475	6,362	45,093	13,211	64,666
Kitsap	527,298	467,949	995,247	2,986	13,773	.....	16,759
Klikitat	172,859	808,726	981,585	2,945	19,727	3,051	25,723
Lewis	582,146	194,459	776,605	2,330	15,515	.....	17,845
Mason	186,251	48,221	234,472	703	3,619	.....	4,322
Pacific	135,764	137,997	273,761	821	5,923	186	6,930
Pierce	1,074,765	603,437	1,678,202	5,035	22,044	3,000	30,079
San Juan	55,968	125,939	181,907	546	3,371	.....	3,917
Skamania	39,465	117,061	156,526	470	2,348	.....	2,818
Snohomish	271,885	137,016	408,901	1,227	9,369	129	10,725
Spokane	89,337	732,523	821,860	2,466	12,327	.....	14,793
Stevens	24,720	154,074	178,794	536	3,398	.....	3,934
Thurston	865,471	722,676	1,588,147	4,764	28,980	3,748	37,492
Wahkiakum	99,842	146,054	245,896	738	4,426	.....	5,164
Walla Walla	1,713,470	2,160,140	3,873,610	11,584	54,086	8,627	74,297
Whatcom	383,555	287,771	671,326	2,014	11,578	.....	13,592
Whitman	263,306	1,476,047	1,739,353	5,218	23,942	.....	29,160
Yakima	284,056	662,597	946,653	2,840	13,107	.....	15,947

WYOMING TERRITORY.

NOTE.—The table is for the year 1880, except in regard to school-district taxation, which is for 1879. The tax known locally as the county school tax is tabulated as a territorial tax since the rate is made uniform by statute throughout the territory and its levy obligatory.

Territory and counties.	ASSESSED VALUATION.			TAXATION.			
	Real estate.	Personal property.	Total.	Territorial.	County.	City, town, village, and school district.	Total.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
The Territory	4,485,291	9,136,538	13,621,829	81,729	136,000	12,499	230,228
Albany	1,494,196	999,603	2,493,799	14,962	26,000	6,601	47,563
Carbon	109,745	2,318,509	2,428,254	14,569	26,000	615	41,184
Laramie	784,716	2,964,037	3,748,753	22,492	38,000	4,300	64,792
Sweetwater	2,083,509	1,560,000	3,643,509	21,861	14,000	229	36,090
Uinta	13,125	1,294,389	1,307,514	7,845	32,000	754	40,599

PUBLIC INDEBTEDNESS.

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PUBLIC INDEBTEDNESS.

Debt of the United States on June 30, 1880 (not including state and local debt) **$2,120,415,370 63**

TABLE CXXVI.—*Exhibit showing the number of holders of United States registered bonds in the various states.*

States, etc.	Number.	Per cent. of bondholders.	Per cent. of population.	States, etc.	Number.	Per cent. of bondholders.	Per cent. of population.
Massachusetts	16,855	23.05	3.56	Wisconsin	342	0.47	2.62
New York	14,803	20.24	10.14	Kansas	326	0.45	1.99
Pennsylvania	10,408	14.23	8.54	Iowa	283	0.39	3.24
Ohio	4,130	5.65	6.38	Louisiana	262	0.36	1.87
Illinois	3,101	4.24	6.14	West Virginia	194	0.27	1.23
New Hampshire	2,939	4.02	0.69	Mississippi	157	0.21	2.26
New Jersey	2,715	3.71	2.27	North Carolina	142	0.19	2.79
Connecticut	2,367	3.24	1.24	Texas	139	0.19	3.17
District of Columbia	2,357	3.22	0.35	South Carolina	137	0.19	1.98
Vermont	1,909	2.61	0.66	Alabama	126	0.17	2.52
Maine	1,711	2.34	1.29	Territories	111	0.15	1.21
Missouri	933	1.28	4.32	Delaware	100	0.14	0.29
Maryland	920	1.26	1.86	Minnesota	94	0.13	1.56
Banks	906	1.24	.....	Arkansas	78	0.11	1.60
Rhode Island	838	1.15	0.55	Florida	64	0.09	0.54
Indiana	698	0.95	3.94	Colorado	61	0.08	0.39
Insurance companies, etc.	621	0.85	.....	Georgia	58	0.08	3.07
Virginia	458	0.63	3.02	Nebraska	55	0.08	0.90
Michigan	453	0.62	3.26	Nevada	18	0.02	0.12
Kentucky	451	0.62	3.29	Oregon	14	0.02	0.35
California	411	0.56	1.72				
Tennessee	369	0.50	3.08	Total	73,114	100.00	100.00

TABLE CXXVII.—*Exhibit showing the amounts of United States registered bonds held by individuals in the various states, and by banks, etc.*

States, etc.	Amounts.	Per cent. of amounts held.	Per cent. of population.	States, etc.	Amounts.	Per cent. of amounts held.	Per cent. of population.
	Dollars.				*Dollars.*		
New York	210,264,250	32.60	10.14	Iowa	1,285,450	0.20	3.24
Massachusetts	45,188,750	7.00	3.56	Kansas	1,188,800	0.18	1.99
Pennsylvania	40,223,050	6.24	8.54	Mississippi	1,014,800	0.16	2.26
Ohio	16,445,050	2.55	6.38	Delaware	1,008,150	0.16	0.29
District of Columbia	12,419,050	1.93	0.35	The Territories	837,550	0.13	1.21
California	11,601,100	1.80	1.72	South Carolina	760,200	0.12	1.98
Illinois	9,119,950	1.41	6.14	West Virginia	661,500	0.10	1.23
Connecticut	8,894,400	1.38	1.24	North Carolina	639,000	0.10	2.79
New Jersey	8,104,150	1.26	2.27	Texas	523,450	0.08	3.17
Maryland	6,989,600	1.08	1.86	Alabama	474,100	0.07	2.52
Rhode Island	4,717,100	0.73	0.55	Minnesota	420,250	0.06	1.56
New Hampshire	4,658,150	0.72	0.69	Arkansas	312,400	0.05	1.60
Indiana	3,980,800	0.62	3.94	Florida	253,850	0.04	0.54
Maine	3,968,500	0.62	1.29	Nebraska	248,750	0.04	0.90
Missouri	3,783,600	0.59	4.32	Nevada	211,000	0.03	0.12
Vermont	3,595,150	0.56	0.66	Georgia	181,400	0.03	3.07
Louisiana	2,458,000	0.38	1.87	Oregon	126,300	0.02	0.35
Tennessee	2,341,200	0.36	3.08	Banks, insurance companies, trust companies, etc.	227,451,550	35.26	.....
Michigan	1,941,200	0.30	3.26				
Colorado	1,897,550	0.29	0.39				
Kentucky	1,770,150	0.27	3.29				
Virginia	1,749,750	0.27	3.02	Total	644,930,400	100.00	100.00
Wisconsin	1,331,400	0.21	2.62				

PUBLIC INDEBTEDNESS.

(NOT NATIONAL.)

TABLE CXXVIII.—*Analysis of the combined bonded debts of states and territories, counties, townships, towns, cities, boroughs, villages, and school districts.*

PURPOSES FOR WHICH BONDS WERE ISSUED.

	Dollars.		Dollars.
Bridges	24, 853, 388	Schools and libraries	26, 509, 457
Cemeteries	283, 816	Sewers	21, 370, 536
Fire department	2, 514, 082	Streets	86, 674, 860
Funding floating debt	153, 949, 095	Miscellaneous	130, 138, 633
Improvement of harbors, rivers, wharves, canals, and water-power.	36, 224, 548	War expenses	75, 154, 400
Parks and public places	40, 612, 536	Water-works	146, 423, 565
Public buildings	48, 493, 952	Total bonded debt of all states and territories, counties, etc.	1, 117, 585, 546
Railroad and other aid	185, 638, 948		
Refunding old debt	138, 743, 730		

AMOUNTS DRAWING THE RATES OF INTEREST NAMED.

	Dollars.		Dollars.		Dollars.
10 per cent	23, 370, 864	7 3/10 per cent	17, 786, 070	4½ per cent	6, 277, 615
9½ per cent	5, 000	7 per cent	242, 604, 036	4 per cent	27, 937, 819
9 per cent	476, 124	6½ per cent	1, 544, 832	3½ per cent	13, 504, 900
8½ per cent		6 per cent	516, 832, 826	3 per cent	1, 588, 371
8 per cent	49, 788, 385	5½ per cent	589, 100	2 per cent	6, 578, 000
7½ per cent	464, 844	5 per cent	160, 110, 418	Unspecified	48, 126, 342

AMOUNTS ISSUED IN THE YEARS NAMED.

	Dollars.		Dollars.		Dollars.
Previous to 1860	85, 549, 268	1867	36, 707, 628	1875	62, 051, 056
1860	6, 907, 279	1868	38, 486, 479	1876	37, 280, 488
1861	11, 443, 829	1869	44, 454, 402	1877	49, 316, 279
1862	10, 906, 595	1870	64, 536, 128	1878	30, 454, 090
1863	12, 509, 034	1871	67, 434, 132	1879	58, 614, 623
1864	40, 942, 964	1872	73, 650, 044	1880	15, 284, 408
1865	23, 111, 547	1873	58, 637, 534	Unspecified	202, 824, 448
1866	18, 679, 609	1874	67, 893, 682		

AMOUNTS MATURING IN THE YEARS NAMED.

	Dollars.		Dollars.		Dollars.
Overdue	2, 794, 217	1887	34, 106, 586	1895	36, 070, 977
1880	30, 358, 951	1888	29, 603, 571	1896	28, 194, 304
1881	25, 805, 287	1889	37, 119, 960	1897	18, 965, 041
1882	21, 467, 390	1890	41, 911, 792	1898	24, 680, 606
1883	26, 794, 627	1891	42, 290, 640	1899	28, 934, 728
1884	28, 975, 514	1892	63, 578, 056	1900	34, 798, 931
1885	25, 854, 774	1893	26, 411, 693	Subsequent to 1900	234, 548, 078
1886	34, 200, 391	1894	42, 000, 032	Unspecified	198, 149, 400

TABLE CXXIX.—*Debts of states, territories, counties, cities, towns, etc.*

SUMMARY.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of all states and territories.	1,117,585,546	84,217,631	1,201,803,177	145,396,969	1,056,406,208
State and territorial debt proper	246,974,476	13,207,747	260,182,223	25,743,462	234,438,761
Local debt—					
County debt	106,767,946	18,853,609	125,621,555	1,593,869	124,027,686
Township debt	30,120,048	1,789,597	31,909,645	308,401	31,601,244
School-district debt	9,863,242	7,666,169	17,535,411	.....	17,535,411
City and town debt	723,853,834	42,700,509	766,554,343	117,751,237	648,803,106
Total	870,611,070	71,009,884	941,620,954	119,653,507	821,967,447

STATE, TERRITORIAL, AND LOCAL DEBT BY STATES AND TERRITORIES.

NOTE.—The sum set against each state and territory is the total public debt of that state or territory including the debts of the counties, townships, towns, cities, boroughs, incorporated villages, and school districts within it. In certain states doubt existed whether the school-district debt was bonded or floating. In such cases it has been tabulated as floating debt in this table and in Table CXXX.

States and Territories.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
NEW ENGLAND STATES.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Maine	22,299,503	2,329,062	24,628,565	2,221,715	22,406,850
New Hampshire	8,665,059	2,131,375	10,796,434	72,264	10,724,170
Vermont	3,218,863	1,189,778	4,408,641	56,473	4,352,168
Massachusetts	109,933,948	11,695,938	121,629,886	30,345,973	91,283,913
Rhode Island	14,075,250	1,066,117	15,141,367	2,038,577	13,102,790
Connecticut	20,462,354	3,083,618	23,545,972	1,544,311	22,001,661
Total	178,654,977	21,495,888	200,150,865	36,279,313	163,871,552
MIDDLE STATES.					
New York	250,483,231	8,155,367	258,638,598	39,915,284	218,723,314
New Jersey	51,558,613	3,699,538	55,258,151	5,711,049	49,547,102
Pennsylvania	128,880,578	5,410,237	134,290,815	20,256,056	114,034,759
Delaware	2,297,300	49,285	2,346,585	.....	2,346,585
Maryland	33,719,369	214,679	33,934,048	23,038,042	10,896,006
District of Columbia	21,699,564	1,187,205	22,886,769	211,310	22,675,459
Total	488,638,655	18,716,311	507,354,966	89,131,741	418,223,225
SOUTHERN STATES.					
Virginia	42,177,694	383,814	42,561,508	461,706	42,099,802
West Virginia	1,473,213	104,287	1,577,500	64,076	1,513,424
North Carolina	7,201,883	1,029,978	8,231,861	37,255	8,194,606
South Carolina	13,419,958	655,161	14,075,119	729,181	13,345,938
Georgia	19,670,625	161,528	19,832,153	150,250	19,681,903
Florida	2,566,880	209,729	2,776,609	150,100	2,626,509
Alabama	14,517,445	211,100	14,728,545	.....	14,728,545
Mississippi	1,719,241	293,949	2,013,190	.....	2,013,190
Louisiana	38,643,462	4,226,473	42,869,935	3,983	42,865,952
Texas	11,001,228	653,165	11,654,393	49,480	11,604,913
Arkansas	5,045,616	3,903,513	8,949,129	1,010,345	7,938,784
Kentucky	19,112,153	1,363,182	20,475,335	5,497,454	14,977,881
Tennessee	28,338,282	9,051,275	37,389,557	1,657	37,387,900
Total	204,887,680	22,247,154	227,134,834	8,155,487	218,979,347
WESTERN STATES.					
Ohio	53,654,507	823,086	54,477,593	5,721,139	48,756,454
Indiana	16,794,078	1,751,413	18,545,491	190,754	18,354,737
Illinois	41,421,869	4,228,303	45,650,172	707,750	44,942,422
Michigan	9,802,293	454,735	10,257,028	1,453,884	8,803,144
Wisconsin	9,118,403	2,872,820	11,991,223	114,231	11,876,992
Iowa	7,862,302	536,242	8,398,544	435,777	7,962,767

TABLE CXXIX.—*Debts of states, territories, counties, cities, towns, etc.*—Continued.

States and Territories.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
WESTERN STATES—continued.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Minnesota	8,295,196	278,523	8,573,719	97,655	8,476,064
Missouri	55,446,001	2,722,941	58,168,942	681,558	57,487,384
Kansas	15,407,686	717,947	16,125,633	119,830	16,005,853
Nebraska	6,114,836	1,573,553	7,688,389	262,632	7,425,757
Colorado	2,159,100	1,435,196	3,594,296	.....	3,594,296
Nevada	863,025	236,894	1,099,919	75,396	1,024,523
Oregon	459,008	389,494	848,502	.....	848,502
California	16,349,879	2,333,910	18,683,789	1,928,101	16,755,688
Total	243,748,183	20,355,107	264,103,290	11,788,707	252,314,583
THE TERRITORIES.					
Arizona	188,200	189,301	377,501	.....	377,501
Dakota	827,823	184,842	1,012,665	13,805	998,860
Idaho	71,749	163,570	235,319	.....	235,319
Montana	400,100	387,741	787,841	27,916	759,925
New Mexico	46,179	38,693	84,872	.....	84,872
Utah	.....	116,251	116,251	.....	116,251
Washington	75,000	164,311	239,311	.....	239,311
Wyoming	47,000	158,462	205,462	.....	205,462
Total	1,656,051	1,403,171	3,059,222	41,721	3,017,501

TABLE CXXX.—*Debts of states, territories, counties, cities, towns, etc., with local debt by counties.*

NEW ENGLAND STATES.

MAINE.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	22,299,503	2,329,062	24,628,565	2,221,715	22,406,850
State debt proper	5,848,900	.....	5,848,900	1,166,159	4,682,741
Local debt—					
County debt	397,800	54,009	451,809	.....	451,809
School-district debt	.....	80,034	80,034	.....	80,034
City and town debt	16,052,803	2,195,019	18,247,822	1,055,556	17,192,266
Total	16,450,603	2,329,062	18,779,665	1,055,556	17,724,109

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, and school districts that lie within it, but not including any portion of the state debt proper.

COUNTIES.					
Androscoggin	1,620,440	54,463	1,674,903	136,412	1,538,491
Aroostook	110,663	24,717	135,380	433	134,947
Cumberland	5,487,125	229,527	5,716,652	902,246	4,814,406
Franklin	75,872	83,902	159,774	.....	159,774
Hancock	237,926	110,639	348,565	.....	348,565
Kennebec	558,617	262,069	820,686	.....	820,686
Knox	1,343,225	72,133	1,415,358	.....	1,415,358
Lincoln	743,000	151,968	894,968	3,293	891,675
Oxford	174,028	157,537	331,565	442	331,123
Penobscot	2,796,000	156,821	2,952,821	865	2,951,956
Piscataquis	7,500	153,720	161,220	.....	161,220
Sagadahoc	1,809,850	82,191	1,892,041	11,865	1,880,176
Somerset	272,400	279,050	551,450	.....	551,450
Waldo	740,857	165,262	906,119	.....	906,119
Washington	209,875	133,414	343,289	.....	343,289
York	263,225	211,649	474,874	.....	474,874

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

NEW HAMPSHIRE.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	8, 665, 059	2, 131, 375	10, 796, 434	72, 264	10, 724, 170
State debt proper	3, 501, 100	60, 100	3, 561, 200	.....	3, 561, 200
Local debt—					
County debt	547, 800	231, 234	779, 034	.....	779, 034
School-district debt	.....	65, 607	65, 607	.....	65, 607
City and town debt	4, 616, 159	1, 774, 434	6, 390, 593	72, 264	6, 318, 329
Total	5, 163, 959	2, 071, 275	7, 235, 234	72, 264	7, 162, 970

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, and school districts that lie within it, but not including any portion of the state debt proper.

COUNTIES.					
Belknap	54, 898	187, 338	242, 236	.....	242, 236
Carroll	198, 370	269, 019	467, 389	.....	467, 389
Cheshire	272, 725	70, 573	343, 298	1, 354	341, 944
Coos	58, 000	181, 040	239, 040	.....	239, 040
Grafton	335, 816	306, 668	642, 484	59, 221	583, 263
Hillsborough	1, 678, 700	237, 500	1, 916, 200	11, 189	1, 905, 011
Merrimack	956, 400	158, 662	1, 115, 062	.....	1, 115, 062
Rockingham	710, 200	345, 425	1, 055, 625	500	1, 055, 125
Strafford	588, 950	206, 097	795, 047	.....	795, 047
Sullivan	309, 900	108, 953	418, 853	.....	418, 853

VERMONT.

Total debt of the State	3, 218, 863	1, 189, 778	4, 408, 641	56, 473	4, 352, 168
State debt proper	4, 000	.....	4, 000	.....	4, 000
Local debt—					
County debt	.....	23, 421	23, 421	.....	23, 421
School-district debt	.....	157, 278	157, 278	.....	157, 278
City and town debt	3, 214, 863	1, 009, 079	4, 223, 942	56, 473	4, 167, 469
Total	3, 214, 863	1, 189, 778	4, 404, 641	56, 473	4, 348, 168

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, and school districts that lie within it, but not including any portion of the state debt proper.

COUNTIES.					
Addison	67, 500	33, 190	100, 690	.....	100, 690
Bennington	282, 200	301, 728	583, 928	.....	583, 928
Caledonia	356, 150	81, 784	437, 934	.....	437, 934
Chittenden	499, 900	23, 095	522, 995	56, 473	466, 522
Essex	80, 000	16, 755	96, 755	.....	96, 755
Franklin	583, 300	43, 973	627, 273	.....	627, 273
Grand Isle	.....	922	922	.....	922
Lamoille	203, 900	14, 658	218, 558	.....	218, 558
Orange	.....	144, 130	144, 130	.....	144, 130
Orleans	53, 000	18, 807	71, 807	.....	71, 807
Rutland	276, 510	144, 741	421, 251	.....	421, 251
Washington	169, 700	91, 330	261, 030	.....	261, 030
Windham	283, 768	117, 464	401, 232	.....	401, 232
Windsor	358, 935	157, 201	516, 136	.....	516, 136

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

MASSACHUSETTS.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	109, 933, 948	11, 695, 938	121, 629, 886	30, 345, 973	91, 283, 913
State debt proper	33, 020, 464	14, 262	33, 034, 726	12, 875, 248	20, 159, 478
Local debt—					
County debt	125, 000	1, 246, 213	1, 371, 213	.....	1, 371, 213
School-district debt	.....	.....	.....	.....	.....
City and town debt	76, 788, 484	10, 435, 463	87, 223, 947	17, 470, 725	69, 753, 222
Total	76, 913, 484	11, 681, 676	88, 595, 160	17, 470, 725	71, 124, 435

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it, but not including any portion of the state debt proper. The school district system prevails in but a few towns, and there is no indebtedness of this character.

COUNTIES.					
Barnstable	49, 500	62, 058	111, 558	.....	111, 558
Berkshire	815, 900	728, 308	1, 544, 208	17, 772	1, 526, 436
Bristol	4, 946, 461	435, 450	5, 381, 911	357, 381	5, 024, 530
Dukes	40, 000	141, 954	181, 954	14, 000	167, 954
Essex	6, 469, 815	2, 656, 553	9, 126, 368	618, 793	8, 507, 575
Franklin	104, 000	421, 421	525, 421	.....	525, 421
Hampden	3, 000, 500	958, 079	3, 958, 579	75, 393	3, 883, 186
Hampshire	663, 200	464, 082	1, 127, 282	.....	1, 127, 282
Middlesex	11, 651, 950	2, 701, 758	14, 353, 708	2, 031, 680	12, 322, 028
Nantucket	.....	24, 500	24, 500	.....	24, 500
Norfolk	1, 258, 000	966, 558	2, 224, 558	205, 529	2, 019, 029
Plymouth	224, 000	432, 974	656, 974	19, 369	637, 605
Suffolk	43, 739, 426	81, 520	43, 820, 946	13, 912, 777	29, 908, 169
Worcester	3, 950, 732	1, 606, 461	5, 557, 193	218, 031	5, 339, 162

RHODE ISLAND.

Total debt of the State	14, 075, 250	1, 066, 117	15, 141, 367	2, 038, 577	13, 102, 790
State debt proper	2, 534, 500	.....	2, 534, 500	702, 037	1, 832, 463
Local debt—					
County debt	.....	.....	.....	.....	.....
School-district debt	.....	181, 466	181, 466	.....	181, 466
City and town debt	11, 540, 750	884, 651	12, 425, 401	1, 336, 540	11, 088, 861
Total	11, 540, 750	1, 066, 117	12, 606, 867	1, 336, 540	11, 270, 327

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of the towns, cities, and school districts that lie within it. It includes no portion of the state debt proper. There is no county debt proper in Rhode Island, as the counties exist simply for judicial purposes, and have no power to create a debt.

COUNTIES.					
Bristol	.....	51, 625	51, 625	.....	51, 625
Kent	.....	102, 422	102, 422	.....	102, 422
Newport	164, 500	7, 822	172, 322	38, 296	134, 026
Providence	11, 344, 250	823, 652	12, 167, 902	1, 298, 244	10, 869, 658
Washington	32, 000	80, 596	112, 596	.....	112, 596

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

CONNECTICUT.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	20,462,354	3,083,618	23,545,972	1,544,311	22,001,661
State debt proper	4,967,600	.....	4,967,600	.....	4,967,600
Local debt—					
County debt	64,500	36,900	101,400	.....	101,400
School-district debt	.....	683,910	683,910	.....	683,910
City and town debt	15,430,254	2,362,808	17,793,062	1,544,311	16,248,751
Total	15,494,754	3,083,618	18,578,372	1,544,311	17,034,061

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, boroughs, and school districts that lie within it, but not including any portion of the state debt proper.

COUNTIES.					
Fairfield	1,966,290	595,581	2,561,871	205,732	2,356,139
Hartford	5,574,121	667,258	6,241,379	1,088,631	5,152,748
Litchfield	583,600	251,202	834,802	2,201	832,601
Middlesex	2,119,900	175,894	2,295,794	.....	2,295,794
New Haven	3,095,443	539,578	3,635,021	184,308	3,450,713
New London	1,911,900	516,901	2,428,801	62,939	2,365,862
Tolland	234,800	106,533	341,333	500	340,833
Windham	8,700	230,671	239,371	.....	239,371

MIDDLE STATES.

NEW YORK.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	250,483,231	8,155,367	258,638,598	39,915,284	218,723,314
State debt proper	8,988,360	.....	8,988,360	1,451,628	7,536,732
Local debt—					
County debt	11,619,674	786,634	12,406,308	7,000	12,399,308
Township debt	18,735,709	102,719	18,838,428	81,929	18,756,499
School-district debt	417,904	162,529	580,433	.....	580,433
City and town debt	210,721,584	7,103,485	217,825,069	38,374,727	179,450,342
Total	241,494,871	8,155,367	249,650,238	38,463,656	211,186,582

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns (townships), cities, incorporated villages, and school districts that lie within it, but not including any portion of the state debt proper.

COUNTIES.					
Albany	5,029,500	29,147	5,058,647	353,521	4,705,126
Allegany	114,700	19,285	133,985	.....	133,985
Broome	432,220	6,524	438,744	.....	438,744
Cattaraugus	105,200	3,454	108,654	.....	108,654
Cayuga	1,007,000	5,226	1,012,226	.....	1,012,226

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—NEW YORK—Cont'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Chautauqua	566,900	2,885	569,785	.....	569,785
Chemung	464,500	150	464,650	1,095	463,555
Chenango	1,813,450	7,647	1,821,097	.....	1,821,097
Clinton	569,276	8,148	577,424	.....	577,424
Columbia	665,472	15,207	680,679	.....	680,679
Cortland	642,000	1,251	643,251	.....	643,251
Delaware	1,054,800	16,563	1,071,363	.....	1,071,363
Duchess	2,346,030	12,124	2,358,154	.....	2,358,154
Erie	8,594,089	813,742	9,407,831	81,488	9,326,343
Essex	92,700	1,911	94,611	.....	94,611
Franklin	39,800	1,650	41,450	.....	41,450
Fulton	344,697	5,414	350,111	.....	350,111
Genesee	149,500	1,769	151,269	.....	151,269
Greene	474,510	6,230	480,740	.....	480,740
Hamilton	6,005	3,543	9,548	.....	9,548
Herkimer	58,125	18,833	76,958	.....	76,958
Jefferson	1,195,791	14,780	1,210,571	.....	1,210,571
Kings	46,309,669	255,775	46,565,444	4,677,500	41,887,944
Lewis	156,805	2,042	158,847	.....	158,847
Livingston	353,816	2,628	356,444	.....	356,444
Madison	945,625	2,693	948,318	.....	948,318
Monroe	6,428,830	3,923	6,432,753	1,000	6,431,753
Montgomery	76,846	.....	76,846	.....	76,846
New York	136,407,434	6,039,966	142,447,400	33,021,986	109,425,414
Niagara	618,401	14,682	633,083	3,333	629,750
Oneida	1,320,200	13,094	1,333,294	.....	1,333,294
Onondaga	2,080,500	18,668	2,099,168	.....	2,099,168
Ontario	263,600	4,155	267,755	4,414	263,341
Orange	1,379,321	78,097	1,457,418	6,180	1,451,238
Orleans	175,250	11,145	186,395	1,500	184,895
Oswego	2,097,585	141,682	2,239,267	.....	2,239,267
Otsego	819,100	6,647	825,747	57,567	768,180
Putnam	8,500	605	9,105	.....	9,105
Queens	2,693,933	200,691	2,894,624	.....	2,894,624
Rensselaer	1,859,331	122,951	1,982,282	203,704	1,778,578
Richmond	996,569	18,499	1,015,068	4,500	1,010,568
Rockland	17,500	530	18,030	.....	18,030
Saint Lawrence	390,725	4,069	394,794	1,640	393,154
Saratoga	*a* 669,989	44,387	714,376	.....	714,376
Schenectady	230,847	15,412	246,259	.....	246,259
Schoharie	258,400	18,546	276,946	.....	276,946
Schuyler	1,000	1,329	2,329	.....	2,329
Seneca	310,600	3,173	313,773	7,613	306,160
Steuben	296,278	8,494	304,772	2,575	302,197
Suffolk	191,390	5,000	196,390	.....	196,390
Sullivan	589,260	10,386	599,646	.....	599,646
Tioga	422,600	1,387	423,987	.....	423,987
Tompkins	702,827	9,627	712,454	16,697	695,757
Ulster	2,384,820	25,419	2,410,239	5,696	2,404,543
Warren	187,546	2,306	189,852	.....	189,852
Washington	23,525	12,944	36,469	.....	36,469
Wayne	605,006	30,929	635,935	.....	635,935
Westchester	2,957,536	14,221	2,971,757	5,647	2,966,110
Wyoming	416,400	6,187	422,587	6,000	416,587
Yates	81,042	7,595	88,637	.....	88,637

a Only a part of the bonded debt of Saratoga Springs is included. The records having been destroyed by fire, the balance was not ascertainable.

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

NEW JERSEY.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	51, 558, 613	3, 699, 538	55, 258, 151	5, 711, 049	49, 547, 102
State debt proper	1, 896, 300	.....	1, 896, 300	1, 082, 625	813, 675
Local debt—					
County debt	6, 643, 438	649, 006	7, 292, 444	623, 981	6, 668, 463
Township debt	876, 744	560, 035	1, 436, 779	8, 999	1, 427, 780
School-district debt	697, 627	280	697, 907	.....	697, 907
City and town debt	41, 444, 504	2, 490, 217	43, 934, 721	3, 995, 444	39, 939, 277
Total	49, 662, 313	3, 699, 538	53, 361, 851	4, 628, 424	48, 733, 427

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the townships, towns, cities, boroughs, incorporated villages, and school districts that lie within it, but not including any portion of the state debt proper.

COUNTIES.					
Atlantic	46, 600	20, 969	67, 569	.....	67, 569
Bergen	400, 553	52, 388	452, 941	.....	452, 941
Burlington	351, 797	60, 153	411, 950	2, 297	409, 653
Camden	1, 422, 464	182, 609	1, 605, 073	10, 390	1, 594, 683
Cape May	105, 285	4, 822	110, 107	4, 000	106, 107
Cumberland	193, 900	5, 100	199, 000	.....	199, 000
Essex	14, 190, 457	1, 162, 247	15, 352, 704	2, 980, 154	12, 372, 550
Gloucester	13, 452	4, 518	17, 970	.....	17, 970
Hudson	19, 982, 625	890, 252	20, 872, 877	1, 151, 350	19, 721, 527
Hunterdon	16, 685	109, 434	126, 119	1, 500	124, 619
Mercer	1, 070, 925	156, 343	1, 227, 268	412, 242	815, 026
Middlesex	2, 014, 140	207, 897	2, 222, 037	14, 292	2, 207, 745
Monmouth	240, 550	1, 763	242, 313	.....	242, 313
Morris	67, 267	1, 812	69, 079	.....	69, 079
Ocean	11, 809	3, 924	15, 733	.....	15, 733
Passaic	1, 723, 004	113, 043	1, 836, 047	3, 649	1, 832, 398
Salem	49, 890	7, 644	57, 534	.....	57, 534
Somerset	63, 100	153, 997	217, 097	.....	217, 097
Sussex	108, 027	3, 839	111, 866	.....	111, 866
Union	7, 259, 066	450, 327	7, 709, 393	48, 550	7, 660, 843
Warren	330, 717	106, 457	437, 174	.....	437, 174

PENNSYLVANIA.

Total debt of the State	128, 880, 578	5, 410, 237	134, 290, 815	20, 256, 056	114, 034, 759
State debt proper	21, 561, 990	.....	21, 561, 990	845, 705	20, 716, 285
Local debt—					
County debt	6, 512, 747	3, 268, 637	9, 781, 384	.....	9, 781, 384
Township debt	105, 047	331, 690	436, 737	.....	436, 737
School-district debt	2, 451, 548	4, 414	2, 455, 962	.....	2, 455, 962
City and town debt	98, 249, 246	1, 805, 496	100, 054, 742	19, 410, 351	80, 644, 391
Total	107, 318, 588	5, 410, 237	112, 728, 825	19, 410, 351	93, 318, 474

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—PENNSYLVANIA—C'd.

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the townships, cities, boroughs, and school districts that lie within it, but not including any portion of the state debt proper.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Adams	8,368	854	9,222	.....	9,222
Allegheny	19,332,058	3,136,838	22,468,896	874,895	21,594,001
Armstrong	199,098	8,893	207,991	.....	207,991
Beaver	171,686	5,339	177,025	2,200	174,825
Bedford	25,175	820	25,995	.....	25,995
Berks	1,202,195	182,240	1,384,435	135,700	1,248,735
Blair	580,748	12,891	593,639	.....	593,639
Bradford	60,891	6,381	67,272	.....	67,272
Bucks	94,361	1,288	95,649	.....	95,649
Butler	22,306	3,515	25,821	.....	25,821
Cambria	82,527	433	82,960	.....	82,960
Cameron	2,000	6,297	8,297	.....	8,297
Carbon	82,498	4,897	87,395	.....	87,395
Centre	216,401	5,827	222,228	.....	222,228
Chester	945,199	9,622	954,821	.....	954,821
Clarion	49,069	11,411	60,480	.....	60,480
Clearfield	78,183	4,711	82,894	.....	82,894
Clinton	356,201	34,464	390,665	3,728	386,937
Columbia	67,162	7,735	74,897	.....	74,897
Crawford	769,833	6,683	776,516	14,573	761,943
Cumberland	137,958	4,148	142,106	.....	142,106
Dauphin	1,471,167	1,092	1,472,259	.....	1,472,259
Delaware	1,028,609	30,608	1,059,217	10,081	1,049,136
Elk	50,271	4,113	54,384	.....	54,384
Erie	1,266,492	44,866	1,311,358	51,696	1,259,662
Fayette	59,287	3,137	62,424	371	62,053
Forest	10,000	3,974	13,974	.....	13,974
Franklin	125,953	10,500	136,453	.....	136,453
Fulton	.....	1,540	1,540	.....	1,540
Greene	100	1,924	2,024	.....	2,024
Huntingdon	70,991	1,928	72,919	.....	72,919
Indiana	76,971	2,587	79,558	.....	79,558
Jefferson	102,808	10,026	112,834	.....	112,834
Juniata	61,890	1,368	63,258	.....	63,258
Lackawanna	352,211	63,849	416,060	6,600	409,460
Lancaster	1,231,063	39,856	1,270,919	132,958	1,137,961
Lawrence	99,234	17,356	116,590	3,267	113,323
Lebanon	407,288	.....	407,288	.....	407,288
Lehigh	997,001	17,018	1,014,019	40,122	973,897
Luzerne	369,557	50,833	420,390	76,096	344,294
Lycoming	630,695	70,018	700,713	6,190	694,523
McKean	84,961	31,392	116,353	.....	116,353
Mercer	67,813	17,895	85,708	3,112	82,596
Mifflin	108,077	3,334	111,411	.....	111,411
Monroe	49,316	9,888	59,204	.....	59,204
Montgomery	323,916	229	324,145	.....	324,145
Montour	197,287	2,867	200,154	.....	200,154
Northampton	456,296	4,682	460,978	4,502	456,476
Northumberland	207,376	63,114	270,490	.....	270,490
Perry	76,666	2,300	78,966	.....	78,966
Philadelphia	70,970,042	1,294,554	72,264,596	18,040,752	54,223,844
Pike	26,512	2,612	29,124	.....	29,124
Potter	29,914	28,429	58,343	.....	58,343
Schuylkill	703,488	46,904	750,392	3,508	746,884
Snyder	6,840	3,111	9,951	.....	9,951
Somerset	16,458	8,944	25,402	.....	25,402
Sullivan	.....	7,138	7,138	.....	7,138
Susquehanna	7,456	3,730	11,186	.....	11,186
Tioga	53,226	17,420	70,646	.....	70,646
Union	14,339	.....	14,339	.....	14,339
Venango	411,581	11,548	423,129	.....	423,129
Warren	118,682	2,489	121,171	.....	121,171
Washington	52,423	472	52,895	.....	52,895
Wayne	88,304	8,456	96,760	.....	96,760
Westmoreland	31,139	1,898	33,037	.....	33,037
Wyoming	1,349	2,869	4,218	.....	4,218
York	319,622	2,082	321,704	.....	321,704

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

DELAWARE.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	2,297,300	49,285	2,346,585	.....	2,346,585
State debt proper	880,750	.....	880,750	.....	880,750
Local debt—					
County debt	.....	44,000	44,000	.....	44,000
School-district debt	.....	4,222	4,222	.....	4,222
City and town debt	1,416,550	1,063	1,417,613	.....	1,417,613
Total	1,416,550	49,285	1,465,835	.....	1,465,835

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, and school districts that lie within it, but not including any portion of the state debt proper.

COUNTIES.					
Kent	6,000	34,358	40,358	.....	40,358
New Castle	1,401,450	1,370	1,402,820	.....	1,402,820
Sussex	9,100	13,557	22,657	.....	22,657

MARYLAND.

Total debt of the State	33,719,369	214,679	33,934,048	23,038,042	10,896,006
State debt proper	11,277,111	.....	11,277,111	3,649,443	7,627,668
Local debt—					
County debt	1,240,308	160,787	1,401,095	23,770	1,377,325
City and town debt	21,201,950	53,892	21,255,842	19,364,829	1,891,013
Total	22,442,258	214,679	22,656,937	19,388,599	3,268,338

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it, but not including any portion of the state debt proper.

COUNTIES.					
Allegany	470,400	.....	470,400	31,336	439,064
Anne Arundel	17,400	18,989	36,389	2,984	33,405
Baltimore city	20,184,975	.....	20,184,975	19,330,509	854,466
Carroll	48,325	2,431	50,756	.....	50,756
Cecil	22,900	4,310	27,210	.....	27,210
Charles	7,000	.....	7,000	.....	7,000
Dorchester	47,300	.....	47,300	6,208	41,092
Frederick	736,200	49,712	785,912	.....	785,912
Garrett	19,000	.....	19,000	.....	19,000
Harford	12,000	.....	12,000	.....	12,000
Howard	6,000	.....	6,000	.....	6,000
Kent	4,183	.....	4,183	.....	4,183
Montgomery	.....	1,000	1,000	.....	1,000
Prince George's	20,000	50,000	70,000	.....	70,000
Queen Anne	53,600	8,000	61,600	.....	61,600
Somerset	46,500	.....	46,500	.....	46,500
Talbot	48,000	9,400	57,400	17,562	39,838
Washington	693,475	5,450	698,925	.....	698,925
Wicomico	.....	33,000	33,000	.....	33,000
Worcester	5,000	32,387	37,387	.....	37,387

DISTRICT OF COLUMBIA.

Total District debt	21,699,564	1,187,205	22,886,769	211,310	22,675,459

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

SOUTHERN STATES.

VIRGINIA.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	42,177,694	383,814	42,561,508	461,706	42,099,802
State debt proper	29,345,226	.....	29,345,226	.....	29,345,226
Local debt—					
County debt	1,258,625	26,449	1,285,074	1,500	1,283,574
School-district debt	.....	90,588	90,588	.....	90,588
City and town debt	11,573,843	266,777	11,840,620	460,206	11,380,414
Total	12,832,468	383,814	13,216,282	461,706	12,754,576

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, and school districts that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Accomac	.....	1,835	1,835	.....	1,835
Albemarle	41,000	603	41,603	.....	41,603
Alexandria	986,360	71,245	1,057,605	20,500	1,037,105
Alleghany	.....	1,431	1,431	.....	1,431
Amelia	.....	2,126	2,126	.....	2,126
Amherst	27,000	3,758	30,758	.....	30,758
Appomattox	.....	118	118	.....	118
Augusta	285,083	6,647	291,730	.....	291,730
Bath	.....	53	53	.....	53
Bedford	.....	3,143	3,143	.....	3,143
Bland	.....	385	385	.....	385
Botetourt	90,000	1,361	91,361	.....	91,361
Brunswick	.....	4,824	4,824	.....	4,824
Buchanan	.....	1,842	1,842	.....	1,842
Buckingham	.....	1,602	1,602	.....	1,602
Campbell	1,098,101	553	1,098,654	303,264	795,390
Caroline	.....	162	162	.....	162
Carroll	.....	954	954	.....	954
Charles City*	.....	.....	.....	.....	.....
Charlotte	.....	250	250	.....	250
Chesterfield	250,700	36,240	286,940	.....	286,940
Clarke	100,000	.....	100,000	.....	100,000
Craig	.....	257	257	.....	257
Culpeper	.....	4,025	4,025	.....	4,025
Cumberland	.....	460	460	.....	460
Dinwiddie (*a*)	1,160,700	.....	1,160,700	24,600	1,136,100
Elizabeth City	10,000	1,078	11,078	.....	11,078
Essex	.....	2,692	2,692	.....	2,692
Fairfax	.....	3,760	3,760	.....	3,760
Fauquier	4,300	151	4,451	.....	4,451
Floyd	.....	2,789	2,789	.....	2,789
Fluvanna	7,000	1,828	8,828	.....	8,828
Franklin	200,000	1,171	201,171	.....	201,171
Frederick	46,000	1,261	47,261	.....	47,261
Giles*	.....	.....	.....	.....	.....
Gloucester	.....	209	209	.....	209
Goochland	.....	501	501	.....	501
Grayson	.....	469	469	.....	469
Greene	.....	125	125	.....	125
Greensville*	.....	.....	.....	.....	.....

a The city of Petersburg, which lies in three counties, has its debt included in Dinwiddie.

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—VIRGINIA—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Halifax	4,000	1,871	5,871		5,871
Hanover		1,198	1,198		1,198
Henrico	4,469,345	34,944	4,504,289	105,268	4,399,021
Henry	76,000		76,000		76,000
Highland	43,400	1,550	44,950		44,950
Isle of Wight*					
James City		117	117		117
King and Queen		554	554		554
King George*					
King William		216	216		216
Lancaster		606	606		606
Lee		250	250		250
Loudoun	5,000	4,000	9,000		9,000
Louisa*					
Lunenburg		1,545	1,545		1,545
Madison		2,802	2,802		2,802
Mathews		368	368		368
Mecklenburg	100	15,205	15,305		15,305
Middlesex		45	45		45
Montgomery	620	2,033	2,653		2,653
Nansemond		2,061	2,061		2,061
Nelson	5,000	66	5,066		5,066
New Kent		695	695		695
Norfolk	2,449,671	22,131	2,471,802		2,471,802
Northampton		870	870		870
Northumberland		24	24		24
Nottoway		208	208		208
Orange		1,965	1,965		1,965
Page	4,000		4,000	1,500	2,500
Patrick		204	204		204
Pittsylvania	793,000	8,952	801,952		801,952
Powhatan		1,208	1,208		1,208
Prince Edward	11,200	330	11,530		11,530
Prince George		885	885		885
Princess Anne		120	120		120
Prince William	440	497	937		937
Pulaski*					
Rappahannock		1,440	1,440		1,440
Richmond		220	220		220
Roanoke	11,000	454	11,454	1,642	9,812
Rockbridge	243,703		243,703		243,703
Rockingham	191,600	1,705	193,305		193,305
Russell		136	136		136
Scott		95	95		95
Shenandoah		7,077	7,077		7,077
Smyth	19,000	832	19,832		19,832
Southampton		1,089	1,089		1,089
Spotsylvania	124,140	115	124,255	4,932	119,323
Stafford		449	449		449
Surry		142	142		142
Sussex		2,487	2,487		2,487
Tazewell		2,926	2,926		2,926
Warren	45,000	1,121	46,121		46,121
Warwick		598	598		598
Washington	18,000	91,982	109,982		109,982
Westmoreland		696	696		696
Wise		837	837		837
Wythe	10,280	1,442	11,722		11,722
York	1,725	543	2,268		2,268

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

WEST VIRGINIA.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	1,473,213	104,287	1,577,500	64,076	1,513,424
State debt proper	.....	.....	.....	.....	.....
Local debt—					
County debt	544,606	48,174	592,780	.....	592,780
School-district debt	28,132	15,426	43,558	.....	43,558
City and town debt	900,475	40,687	941,162	64,076	877,086
Total	1,473,213	104,287	1,577,500	64,076	1,513,424

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, and school districts that lie within it. There is no state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Barbour	500	156	656	.....	656
Berkeley	205,000	9,186	214,186	.....	214,186
Boone*	.....	.....	.....	.....	.....
Braxton	.....	557	557	.....	557
Brooke	128,746	55	128,801	.....	128,801
Cabell	1,725	77	1,802	.....	1,802
Calhoun	.....	7,900	7,900	.....	7,900
Clay*	.....	.....	.....	.....	.....
Doddridge	1,000	13,535	14,535	.....	14,535
Fayette*	.....	.....	.....	.....	.....
Gilmer*	.....	.....	.....	.....	.....
Grant*	.....	.....	.....	.....	.....
Greenbrier	.....	490	490	.....	490
Hampshire	12,100	213	12,313	.....	12,313
Hancock*	.....	.....	.....	.....	.....
Hardy	300	35	335	.....	335
Harrison	10,000	.....	10,000	.....	10,000
Jackson	.....	347	347	.....	347
Jefferson	266,702	.....	266,702	.....	266,702
Kanawha	44,000	20,775	64,775	.....	64,775
Lewis	19,400	.....	19,400	6,000	13,400
Lincoln	800	2,976	3,776	.....	3,776
Logan*	.....	.....	.....	.....	.....
Marion	.....	599	599	.....	599
Marshall	.....	2,962	2,962	.....	2,962
Mason	7,520	1,265	8,785	.....	8,785
Mercer	.....	11	11	.....	11
Mineral	15,965	2,413	18,378	.....	18,378
Morgan	.....	20	20	.....	20
McDowell	778	880	1,658	.....	1,658
Monongalia	.....	37	37	.....	37
Monroe	.....	37	37	.....	37
Nicholas	.....	162	162	.....	162
Ohio	513,205	25,382	538,587	.....	538,587
Pendleton*	.....	.....	.....	.....	.....
Pleasants	1,000	.....	1,000	.....	1,000
Pocahontas	.....	125	125	.....	125
Preston	10,000	.....	10,000	.....	10,000
Putnam	.....	1,538	1,538	.....	1,538
Raleigh	.....	95	95	.....	95
Randolph	2,873	27	2,900	.....	2,900
Ritchie*	.....	.....	.....	.....	.....
Roane*	.....	.....	.....	.....	.....
Summers	1,074	3,662	4,736	.....	4,736
Taylor	16,530	.....	16,530	.....	16,530

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—WEST VIRGINIA—C'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Tucker	.....	118	118	.....	118
Tyler	1,540	1,602	3,142	.....	3,142
Upshur	.....	6	6	.....	6
Wayne	.....	264	264	.....	264
Webster	557	9	566	.....	566
Wetzel	9,906	.....	9,906	.....	9,906
Wirt	20,000	.....	20,000	.....	20,000
Wood	181,590	3,946	185,536	58,076	127,460
Wyoming	402	2,825	3,227	.....	3,227

NORTH CAROLINA.

Total debt of the State	7,201,883	1,029,978	8,231,861	37,255	8,194,606
State debt proper	5,006,616	*a* 700,000	5,706,616	.....	5,706,616
Local debt—					
County debt	1,248,711	275,943	1,524,654	.....	1,524,654
City and town debt	946,556	54,035	1,000,591	37,255	963,336
Total	2,195,267	329,978	2,525,245	37,255	2,487,990

a Estimated interest on bonds.

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Alamance	7,664	.....	7,664	.....	7,664
Alexander*	.....	.....	.....	.....	.....
Alleghany	.....	5,462	5,462	.....	5,462
Anson	35,000	.....	35,000	.....	35,000
Ashe	.....	4,000	4,000	.....	4,000
Beaufort	5,000	3,000	8,000	.....	8,000
Bertie	5,402	535	5,937	.....	5,937
Bladen	.....	24,000	24,000	.....	24,000
Brunswick*	.....	.....	.....	.....	.....
Buncombe	97,000	900	97,900	.....	97,900
Burke	22,000	3,000	25,000	.....	25,000
Cabarrus	.....	3,340	3,340	.....	3,340
Caldwell	.....	1,400	1,400	.....	1,400
Camden	.....	600	600	.....	600
Carteret	97,500	3,500	101,000	.....	101,000
Caswell	10,000	.....	10,000	.....	10,000
Catawba	4,700	.....	4,700	.....	4,700
Chatham	.....	5,000	5,000	.....	5,000
Cherokee	.....	8,111	8,111	.....	8,111
Chowan	.....	6,800	6,800	.....	6,800
Clay	.....	1,500	1,500	.....	1,500
Cleaveland	30,000	.....	30,000	.....	30,000
Columbus	.....	5,000	5,000	.....	5,000
Craven	140,700	2,527	143,227	.....	143,227
Cumberland	310,000	.....	310,000	.....	310,000
Currituck	45,000	3,000	48,000	.....	48,000
Dare	.....	600	600	.....	600
Davidson*	.....	.....	.....	.....	.....
Davie*	.....	.....	.....	.....	.....
Duplin*	.....	.....	.....	.....	.....
Edgecomb	18,600	2,500	21,100	.....	21,100
Forsyth	25,000	1,400	26,400	.....	26,400
Franklin	.....	5,000	5,000	.....	5,000
Gaston*	.....	.....	.....	.....	.....
Gates*	.....	.....	.....	.....	.....

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—NORTH CAROLINA—C'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Graham		3,000	3,000		3,000
Granville		45,000	45,000		45,000
Greene		4,000	4,000		4,000
Guilford	1,845	1,205	3,050		3,050
Halifax		8,000	8,000		8,000
Harnett	18,000	750	18,750		18,750
Haywood		4,000	4,000		4,000
Henderson	100,000	5,050	105,050		105,050
Hertford*					
Hyde		445	445		445
Iredell	56,000		56,000		56,000
Jackson		1,500	1,500		1,500
Johnston*					
Jones		1,800	1,800		1,800
Lenoir*					
Lincoln		1,500	1,500		1,500
McDowell	50,000	5,000	55,000		55,000
Macon		1,000	1,000		1,000
Madison*					
Martin		4,500	4,500		4,500
Mecklenburg	313,256	3,503	316,759		316,759
Mitchell		700	700		700
Montgomery		15,000	15,000		15,000
Moore		60	60		60
Nash*					
New Hanover	560,700	12,000	572,700	2,655	570,045
Northampton*					
Onslow		6,500	6,500		6,500
Orange		1,200	1,200		1,200
Pamlico*					
Pasquotank		4,000	4,000		4,000
Pender		6,000	6,000		6,000
Perquimans*					
Person		8,000	8,000		8,000
Pitt*					
Polk		8,000	8,000		8,000
Randolph		5,000	5,000		5,000
Richmond	40,000	5,000	45,000		45,000
Robeson	500	5,000	5,500		5,500
Rockingham	4,000	2,011	6,011		6,011
Rowan		2,400	2,400		2,400
Rutherford	23,000	3,500	26,500		26,500
Sampson*					
Stanley*					
Stokes		2,000	2,000		2,000
Surry	6,000	4,000	10,000		10,000
Swain		991	991		991
Transylvania*					
Tyrrell		4,486	4,486		4,486
Union*					
Wake	167,400	25,557	192,957	34,600	158,357
Warren*					
Washington		3,500	3,500		3,500
Watauga		2,845	2,845		2,845
Wayne		300	300		300
Wilkes	1,000	10,000	11,000		11,000
Wilson		500	500		500
Yadkin		8,000	8,000		8,000
Yancey		2,000	2,000		2,000

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

SOUTH CAROLINA.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	13, 419, 958	655, 161	14, 075, 119	729, 181	13, 345, 938
State debt proper	*a* 6, 639, 171	.....	6, 639, 171	.....	6, 639, 171
Local debt—					
County debt	1, 276, 231	297, 628	1, 573, 859	.....	1, 573, 859
City and town debt	5, 504, 556	357, 533	5, 862, 089	729, 181	5, 132, 908
Total	6, 780, 787	655, 161	7, 435, 948	729, 181	6, 706, 767

a An approximation by the officials.

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Abbeville	.....	4, 000	4, 000	.....	4, 000
Aiken	7, 000	4, 000	11, 000	.....	11, 000
Anderson*	.....	.....	.....	.....	.....
Barnwell	1, 200	20, 100	21, 300	.....	21, 300
Beaufort	.....	32, 668	32, 668	.....	32, 668
Charleston	4, 938, 451	106, 401	5, 044, 852	729, 181	4, 315, 671
Chester	145, 000	5, 000	150, 000	.....	150, 000
Chesterfield	.....	8, 482	8, 482	.....	8, 482
Clarendon*	.....	.....	.....	.....	.....
Colleton*	.....	.....	.....	.....	.....
Darlington	.....	13, 145	13, 145	.....	13, 145
Edgefield	13, 500	20, 000	33, 500	.....	33, 500
Fairfield*	.....	.....	.....	.....	.....
Georgetown	.....	8, 000	8, 000	.....	8, 000
Greenville	240, 500	7, 487	247, 987	.....	247, 987
Hampton	.....	1, 200	1, 200	.....	1, 200
Horry*	.....	.....	.....	.....	.....
Kershaw	8, 544	21, 492	30, 036	.....	30, 036
Lancaster	98, 500	.....	98, 500	.....	98, 500
Laurens*	.....	.....	.....	.....	.....
Lexington	.....	9, 326	9, 326	.....	9, 326
Marion	.....	8, 000	8, 000	.....	8, 000
Marlborough	.....	4, 500	4, 500	.....	4, 500
Newberry	33, 487	.....	33, 487	.....	33, 487
Oconee	.....	1, 600	1, 600	.....	1, 600
Orangeburgh	.....	32, 907	32, 907	.....	32, 907
Pickens	100, 000	1, 970	101, 970	.....	101, 970
Richland	604, 850	287, 811	892, 661	.....	892, 661
Spartanburgh	315, 500	23, 000	338, 500	.....	338, 500
Sumter	38, 920	8, 784	47, 704	.....	47, 704
Union	149, 100	4, 780	153, 880	.....	153, 880
Williamsburgh	.....	16, 508	16, 508	.....	16, 508
York	86, 235	4, 000	90, 235	.....	90, 235

GEORGIA.

Total debt of the State	19, 670, 625	161, 528	19, 832, 153	150, 250	19, 681, 903
State debt proper	9, 951, 500	.....	9, 951, 500	.....	9, 951, 500
Local debt—					
County debt	122, 600	59, 190	181, 790	.....	181, 790
City and town debt	9, 596, 525	102, 338	9, 698, 863	150, 250	9, 548, 613
Total	9, 719, 125	161, 528	9, 880, 653	150, 250	9, 730, 403

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—GEORGIA—Continued.

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Appling*					
Baker		1,600	1,600		1,600
Baldwin	45,000	2,365	47,365		47,365
Banks*					
Bartow*					
Berrien*					
Bibb	757,000		757,000	7,000	750,000
Brooks		1,500	1,500		1,500
Bryan		1,600	1,600		1,600
Bulloch*					
Burke	250		250		250
Butts*					
Calhoun*					
Camden*					
Campbell*					
Carroll		954	954		954
Catoosa		966	966		966
Charlton		900	900		900
Chatham	3,375,000	60,000	3,435,000	10,000	3,425,000
Chattahoochee*					
Chattooga*					
Cherokee*					
Clarke	149,650		149,650		149,650
Clay*					
Clayton		200	200		200
Clinch*					
Cobb	6,000	3,035	9,035		9,035
Coffee*					
Colquitt*					
Columbia*					
Coweta*					
Crawford*					
Dade*					
Dawson*					
Decatur	11,400		11,400		11,400
De Kalb*					
Dodge*					
Dooly*					
Dougherty*					
Douglas	1,800	2,000	3,800		3,800
Early*					
Echols*					
Effingham*					
Elbert	11,300		11,300		11,300
Emanuel*					
Fannin		1,054	1,054		1,054
Fayette*					
Floyd	327,000		327,000		327,000
Forsyth*					
Franklin*					
Fulton	2,200,000	100	2,200,100	20,000	2,180,100
Gilmer		775	775		775
Glascock*					
Glynn	72,350	19,420	91,770		91,770
Gordon*					
Greene*					
Gwinnett*					
Habersham		2,300	2,300		2,300
Hall	21,000	4,300	25,300		25,300
Hancock*					

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—GEORGIA—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Haralson*					
Harris*					
Hart*					
Heard	3,600	2,465	6,065		6,065
Henry*					
Houston*					
Irwin*					
Jackson		300	300		300
Jasper*					
Jefferson*					
Johnson*					
Jones*					
Laurens*					
Lee		1,000	1,000		1,000
Liberty*					
Lincoln	4,000		4,000		4,000
Lowndes*					
Lumpkin*					
McDuffie*					
McIntosh*					
Macon*					
Madison*					
Marion*					
Meriwether*					
Miller*					
Milton		275	275		275
Mitchell*					
Monroe	10,800	2,300	13,100		13,100
Montgomery*					
Morgan	6,500	6,793	13,293		13,293
Murray		1,000	1,000		1,000
Muscogee	540,800		540,800		540,800
Newton		9,000	9,000		9,000
Oconee*					
Oglethorpe		3,500	3,500		3,500
Paulding*					
Pickens*					
Pierce*					
Pike	7,400		7,400		7,400
Polk*					
Pulaski		8,082	8,082		8,082
Putnam		1,250	1,250		1,250
Quitman*					
Rabun*					
Randolph	1,075		1,075		1,075
Richmond	2,062,000	9,769	2,071,769	112,250	1,959,519
Rockdale*					
Schley*					
Screven*					
Spalding	68,700	3,000	71,700		71,700
Stewart*					
Sumter*					
Talbot*					
Taliaferro*					
Tattnall*					
Taylor	2,200		2,200	1,000	1,200
Telfair*					
Terrell		425	425		425
Thomas*					
Towns*					
Troup	16,300	350	16,650		16,650
Twiggs		3,000	3,000		3,000
Union*					
Upson*					
Walker*					

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—GEORGIA—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Walton*					
Ware		1,500	1,500		1,500
Warren*					
Washington*					
Wayne*					
Webster*					
White		800	800		800
Whitfield	18,000	3,500	21,500		21,500
Wilcox*					
Wilkes*					
Wilkinson		150	150		150
Worth*					

FLORIDA.

Total debt of the State	2,566,880	209,729	2,776,609	150,100	2,626,509
State debt proper	1,280,500	4,480	1,284,980	150,100	1,134,880
Local debt—					
County debt	259,097	176,896	435,993		435,993
City and town debt	1,027,283	28,353	1,055,636		1,055,636
Total	1,286,380	205,249	1,491,629		1,491,629

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Alachua		36,813	36,813		36,813
Baker		2,700	2,700		2,700
Bradford		800	800		800
Brevard		2,800	2,800		2,800
Calhoun		1,000	1,000		1,000
Clay		1,200	1,200		1,200
Columbia		2,809	2,809		2,809
Dade		1,005	1,005		1,005
Duval	266,497	24,369	290,866		290,866
Escambia	750,000	18,954	768,954		768,954
Franklin	1,400	1,000	2,400		2,400
Gadsden		3,231	3,231		3,231
Hamilton		1,000	1,000		1,000
Hernando*					
Hillsborough*					
Holmes	180	600	780		780
Jackson		25,825	25,825		25,825
Jefferson	102,000	4,000	106,000		106,000
Lafayette		1,000	1,000		1,000
Leon	69,500	18,000	87,500		87,500
Levy		6,944	6,944		6,944
Liberty		600	600		600
Madison	70,000	5,050	75,050		75,050
Manatee*					
Marion		5,116	5,116		5,116
Monroe		13,655	13,655		13,655
Nassau	21,886	8,336	30,222		30,222
Orange	3,000	2,675	5,675		5,675
Polk		2,500	2,500		2,500
Putnam*					

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—FLORIDA—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Saint John's *					
Santa Rosa	1,317	4,700	6,017		6,017
Sumter		637	637		637
Suwannee		4,580	4,580		4,580
Taylor		1,800	1,800		1,800
Volusia *					
Wakulla	600	800	1,400		1,400
Walton *					
Washington		750	750		750

ALABAMA.

Total debt of the State	14,517,445	211,100	14,728,545		14,728,545
State debt proper	9,008,000	63,765	9,071,765		9,071,765
Local debt—					
County debt	1,591,245	112,021	1,703,266		1,703,266
City and town debt	3,918,200	35,314	3,953,514		3,953,514
Total	5,509,445	147,335	5,656,780		5,656,780

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Antauga *					
Baldwin		4,000	4,000		4,000
Barbour	174,400	9,000	183,400		183,400
Bibb *					
Blount		4,000	4,000		4,000
Bullock *					
Butler	4,500		4,500		4,500
Calhoun	14,000	800	14,800		14,800
Chambers	300,000		300,000		300,000
Cherokee *					
Chilton *					
Choctaw *					
Clarke *					
Clay		3,000	3,000		3,000
Cleburne		2,400	2,400		2,400
Coffee		5,750	5,750		5,750
Colbert	1,400	390	1,790		1,790
Conecuh		3,362	3,362		3,362
Coosa *					
Covington		3,000	3,000		3,000
Crenshaw		3,600	3,600		3,600
Cullman		3,860	3,860		3,860
Dale *					
Dallas	421,600		421,600		421,600
De Kalb		3,000	3,000		3,000
Elmore		3,000	3,000		3,000
Escambia		5,383	5,383		5,383
Etowah		7,500	7,500		7,500
Fayette		2,000	2,000		2,000
Franklin		1,500	1,500		1,500
Geneva		3,847	3,847		3,847
Greene	60,900	10,000	70,900		70,900
Hale	73,560		73,560		73,560
Henry *					
Jackson		2,985	2,985		2,985

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—ALABAMA—Cont'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Jefferson	37,000	5,454	42,454	.....	42,454
Lamar	.....	8,700	8,700	.....	8,700
Lauderdale	15,700	.....	15,700	.....	15,700
Lawrence	.....	320	320	.....	320
Lee	295,630	1,200	296,830	.....	296,830
Limestone	.....	1,000	1,000	.....	1,000
Lowndes	.....	1,000	1,000	.....	1,000
Macon *	.....	.....	.....	.....	.....
Madison	145,000	800	145,800	.....	145,800
Marengo *	.....	.....	.....	.....	.....
Marion	.....	672	672	.....	672
Marshall	.....	250	250	.....	250
Mobile	2,946,250	.....	2,946,250	.....	2,946,250
Monroe	.....	7,000	7,000	.....	7,000
Montgomery	598,950	8,250	607,200	.....	607,200
Morgan *	.....	.....	.....	.....	.....
Perry	3,000	6,000	9,000	.....	9,000
Pickens	100,000	6,000	106,000	.....	106,000
Pike	115,000	1,000	116,000	.....	116,000
Randolph	100,000	2,300	102,300	.....	102,300
Russell	7,555	.....	7,555	.....	7,555
Saint Clair	.....	4,000	4,000	.....	4,000
Shelby *	.....	.....	.....	.....	.....
Sumter	.....	7,912	7,912	.....	7,912
Talladega *	.....	.....	.....	.....	.....
Tallapoosa	91,000	.....	91,000	.....	91,000
Tuscaloosa	4,000	.....	4,000	.....	4,000
Walker	.....	850	850	.....	850
Washington*	.....	.....	.....	.....	.....
Wilcox*	.....	.....	.....	.....	.....
Winston	.....	2,250	2,250	.....	2,250

MISSISSIPPI.

Total debt of the State	1,719,241	293,949	2,013,190	.....	2,013,190
State debt proper	379,485	.....	379,485	.....	379,485
Local debt—					
County debt	872,292	262,471	1,134,763	.....	1,134,763
City and town debt	467,464	31,478	498,942	.....	498,942
Total	1,339,756	293,949	1,633,705	.....	1,633,705

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Adams	185,496	11,238	196,734	.....	196,734
Alcorn	.....	4,725	4,725	.....	4,725
Amite	1,196	1,631	2,827	.....	2,827
Attala	.....	5,000	5,000	.....	5,000
Bentou*	.....	.....	.....	.....	.....
Bolivar	50,600	9,627	60,227	.....	60,227
Calhoun	87,500	.....	87,500	.....	87,500
Carroll	12,000	.....	12,000	.....	12,000
Chickasaw	50,000	19,606	69,606	.....	69,606
Choctaw*	.....	.....	.....	.....	.....

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—MISSISSIPPI—Cont'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Claiborne*					
Clarke		1,598	1,598		1,598
Coahoma*					
Copiah		250	250		250
Covington		3,666	3,666		3,666
Clay		5,000	5,000		5,000
De Soto*					
Franklin*					
Greene		2,286	2,286		2,286
Grenada	40,000		40,000		40,000
Hancock*					
Harrison*					
Hinds	100,000		100,000		100,000
Holmes	15,000		15,000		15,000
Issaquena	2,700	7,910	10,610		10,610
Itawamba*					
Jackson	500	2,000	2,500		2,500
Jasper*					
Jefferson		10,200	10,200		10,200
Jones		300	300		300
Kemper	21,000	5,000	26,000		26,000
La Fayette	9,000		9,000		9,000
Lauderdale	12,150		12,150		12,150
Lawrence*					
Leake		2,000	2,000		2,000
Lee	150	7,030	7,180		7,180
Lincoln	2,065	19,275	21,340		21,340
Lowndes*					
Le Flore*					
Madison	75,000		75,000		75,000
Marion		3,500	3,500		3,500
Marshall		1,650	1,650		1,650
Monroe	7,521	22,676	30,197		30,197
Montgomery		2,000	2,000		2,000
Neshoba	1,000		1,000		1,000
Newton*					
Noxubee		18,634	18,634		18,634
Oktibbeha	42,600		42,600		42,600
Panola*					
Perry*					
Pike		9,783	9,783		9,783
Pontotoc		12,000	12,000		12,000
Prentiss*					
Quitman*					
Rankin		1,500	1,500		1,500
Scott*					
Sharkey		14,402	14,402		14,402
Simpson		2,000	2,000		2,000
Smith*					
Sumner	5,060	5,300	10,360		10,360
Sunflower		7,789	7,789		7,789
Tallahatchie	2,000		2,000		2,000
Tippah*					
Tishomingo*					
Tunica		3,000	3,000		3,000
Tate*					
Union		8,000	8,000		8,000
Warren	448,218	35,000	483,218		483,218
Washington	146,000	2,000	148,000		148,000
Wayne		2,500	2,500		2,500
Wilkinson	23,000	12,000	35,000		35,000
Winston*					
Yalobusha		11,873	11,873		11,873
Yazoo*					

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

LOUISIANA.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	38, 643, 462	4, 226, 473	42, 869, 935	3, 983	42, 865, 952
State debt proper	*a* 22, 430, 800	1, 006, 840	23, 437, 640	.....	23, 437, 640
Local debt—					
Parish debt	461, 163	646, 788	1, 107, 951	.....	1, 107, 951
City and town debt	15, 751, 499	2, 572, 845	18, 324, 344	3, 983	18, 320, 361
Total	16, 212, 662	3, 219, 633	19, 432, 295	3, 983	19, 428, 312

a Old debt (January 1, 1874), of which $18,034,800 had been refunded January 1, 1880.

LOCAL DEBT BY PARISHES.

NOTE.—The sum set against each parish is the total public debt of that parish, including the debts of the towns and cities that lie within it, but not including any portion of the state debt proper. In parishes marked with an asterisk (*) there has been no indebtedness reported.

PARISHES.					
Ascension	6, 000	25, 219	31, 219	.....	31, 219
Assumption*	.....	.....	.....	.....	.....
Avoyelles	.....	12, 800	12, 800	.....	12, 800
Bienville	.....	3, 500	3, 500	.....	3, 500
Bossier*	.....	.....	.....	.....	.....
Caddo	397, 000	157, 644	554, 644	.....	554, 644
Calcasieu	.....	8, 150	8, 150	.....	8, 150
Caldwell	.....	1, 908	1, 908	.....	1, 908
Cameron	.....	500	500	.....	500
Catahoula	.....	5, 068	5, 068	.....	5, 068
Claiborne	10, 560	3, 000	13, 560	.....	13, 560
Concordia	356, 993	22, 945	379, 938	.....	379, 938
De Soto	.....	10, 891	10, 891	.....	10, 891
East Baton Rouge	90, 000	102, 733	192, 733	3, 983	188, 750
East Carroll	.....	7, 639	7, 639	.....	7, 639
East Feliciana	.....	19, 000	19, 000	.....	19, 000
Franklin	.....	14, 433	14, 433	.....	14, 433
Grant	.....	2, 413	2, 413	.....	2, 413
Iberia	.....	500	500	.....	500
Iberville	.....	14, 719	14, 719	.....	14, 719
Jackson	.....	8, 712	8, 712	.....	8, 712
Jefferson	13, 600	13, 974	27, 574	.....	27, 574
La Fayette	.....	6, 323	6, 323	.....	6, 323
Lafourche*	.....	.....	.....	.....	.....
Lincoln	.....	4, 374	4, 374	.....	4, 374
Livingston	.....	8, 000	8, 000	.....	8, 000
Madison*	.....	.....	.....	.....	.....
Morehouse	.....	6, 765	6, 765	.....	6, 765
Natchitoches	.....	189, 988	189, 988	.....	189, 988
Orleans	15, 309, 999	2, 426, 510	17, 736, 509	.....	17, 736, 509
Ouachita	.....	9, 000	9, 000	.....	9, 000
Plaquemines*	.....	.....	.....	.....	.....
Point Coupée	7, 951	.....	7, 951	.....	7, 951
Rapides	.....	19, 630	19, 630	.....	19, 630
Red River	.....	7, 300	7, 300	.....	7, 300
Richland*	.....	.....	.....	.....	.....
Sabine	.....	750	750	.....	750
Saint Bernard	5, 757	.....	5, 757	.....	5, 757
Saint Charles	.....	4, 516	4, 516	.....	4, 516
Saint Helena	.....	776	776	.....	776
Saint James	9, 761	.....	9, 761	.....	9, 761
Saint John Baptist*	.....	.....	.....	.....	.....
Saint Landry	.....	17, 787	17, 787	.....	17, 787
Saint Martin	4, 000	1, 600	5, 600	.....	5, 600
Saint Mary	.....	5, 760	5, 760	.....	5, 760

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—LOUISIANA—Continued.

Parishes.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Saint Tammany		8,000	8,000		8,000
Tangipahoa*					
Tensas*					
Terrebonne*					
Union		3,000	3,000		3,000
Vermillion		7,990	7,990		7,990
Vernon		2,315	2,315		2,315
Washington		9,461	9,461		9,461
Webster		2,190	2,190		2,190
West Baton Rouge		16,402	16,402		16,402
West Carroll		3,000	3,000		3,000
West Feliciana	1,041	22,448	23,489		23,489
Winn*					

TEXAS.

Total debt of the State	11,001,228	653,165	11,654,393	49,480	11,604,913
State debt proper	5,566,928		5,566,928		5,566,928
Local debt—					
County debt	2,030,907	468,380	2,499,287		2,499,287
City and town debt	3,403,393	184,785	3,588,178	49,480	3,538,698
Total	5,434,300	653,165	6,087,465	49,480	6,037,985

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Anderson	107,750		107,750	517	107,233
Angelina		2,850	2,850		2,850
Aransas		1,500	1,500		1,500
Archer*					
Atascosa*					
Austin		4,200	4,200		4,200
Bandera		3,252	3,252		3,252
Bastrop*					
Baylor*					
Bee		200	200		200
Bell		1,250	1,250		1,250
Bexar	451,700	10,833	462,533	7,267	455,266
Blanco		500	500		500
Bosque		4,618	4,618		4,618
Bowie		1,100	1,100		1,100
Brazoria	69,000		69,000		69,000
Brazos	4,350	5,300	9,650		9,650
Brown*					
Burleson		1,400	1,400		1,400
Burnet		5,000	5,000		5,000
Caldwell		3,651	3,651		3,651
Calhoun	1,927	7,000	8,927		8,927
Callahan	4,500	4,800	9,300		9,300
Cameron	29,750	13,000	42,750		42,750
Camp*					
Cass	6,000	900	6,900		6,900
Chambers		4,000	4,000		4,000
Cherokee*					
Clay		6,500	6,500		6,500
Coleman	5,650	1,205	6,855		6,855

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—TEXAS—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Collin	72,600	5,900	78,500		78,500
Colorado*					
Comal	18,400	397	18,797		18,797
Comanche	20,000		20,000		20,000
Concho		1,000	1,000		1,000
Cooke	13,531	500	14,031		14,031
Coryell	800	3,000	3,800		3,800
Dallas	330,100	40,254	370,354		370,354
Delta		275	275		275
Denton		18,171	18,171		18,171
De Witt	1,000	4,000	5,000		5,000
Duval		3,500	3,500		3,500
Eastland	1,799	3,200	4,999		4,999
Ellis*					
El Paso		9,904	9,904		9,904
Erath	8,344	5,480	13,824		13,824
Falls	22,500		22,500		22,500
Fannin*					
Fayette		169	169		169
Fort Bend		8,000	8,000		8,000
Franklin		600	600		600
Freestone*					
Frio		9,500	9,500		9,500
Galveston	1,451,379	38,045	1,489,424	39,596	1,449,828
Gillespie*					
Goliad*					
Gonzales*					
Grayson	191,000	5,000	196,000		196,000
Gregg	5,235	5,000	10,235		10,235
Grimes	13,400	400	13,800		13,800
Guadalupe*					
Hamilton	10,500	2,000	12,500		12,500
Hardin		2,000	2,000		2,000
Harris	1,477,824	79,030	1,556,854		1,556,854
Harrison	171,000	22,916	193,916	300	193,616
Hayes*					
Henderson*					
Hidalgo		500	500		500
Hill		2,196	2,196		2,196
Hood		3,229	3,229		3,229
Hopkins*					
Houston		700	700		700
Hunt*					
Jack	1,376	6,349	7,725		7,725
Jackson		300	300		300
Jasper		7,396	7,396		7,396
Jefferson		5,000	5,000		5,000
Johnson*					
Karnes		2,081	2,081		2,081
Kaufman*					
Kendall		5,187	5,187		5,187
Kerr	1,800	5,500	7,300		7,300
Kimble		3,000	3,000		3,000
Kinney		3,500	3,500		3,500
Lamar	42,000	2,500	44,500	1,800	42,700
Lampasas		7,283	7,283		7,283
Lavaca*					
Lee		100	100		100
Leon		3,606	3,606		3,606
Liberty	2,600	2,650	5,250		5,250
Limestone*					
Live Oak*					
Llano		2,000	2,000		2,000
McCulloch	16,242	3,408	19,650		19,650
McLennan	95,000	5,000	100,000		100,000

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—TEXAS—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
McMullen	2,500		2,500		2,500
Madison	2,200	1,500	3,700		3,700
Marion	204,000	10,000	214,000		214,000
Mason	1,600	3,100	4,700		4,700
Matagorda		4,000	4,000		4,000
Maverick		4,439	4,439		4,439
Medina		4,500	4,500		4,500
Menard*					
Milam*					
Montague	16,400	4,000	20,400		20,400
Montgomery		10,119	10,119		10,119
Morris		2,000	2,000		2,000
Nacogdoches*					
Navarro*					
Newton		4,401	4,401		4,401
Nueces		14,125	14,125		14,125
Orange		4,500	4,500		4,500
Palo Pinto	10,000	300	10,300		10,300
Panola*					
Parker	2,371		2,371		2,371
Pecos		808	808		808
Polk		50	50		50
Presidio	800	1,500	2,300		2,300
Rains	4,010	2,000	6,010		6,010
Red River*					
Refugio		2,419	2,419		2,419
Robertson	3,000	12,000	15,000		15,000
Rockwall*					
Runnels*					
Rusk	7,000		7,000		7,000
Sabine	1,719	400	2,119		2,119
San Augustine	8,000	3,100	11,100		11,100
San Jacinto		1,757	1,757		1,757
San Patricio*					
San Saba	7,874	4,946	12,820		12,820
Shackleford	3,700	1,000	4,700		4,700
Shelby		1,100	1,100		1,100
Smith	211,500	2,000	213,500		213,500
Somervell*					
Starr		800	800		800
Stephens	1,469	2,408	3,877		3,877
Tarrant		24,365	24,365		24,365
Taylor	7,000	3,000	10,000		10,000
Throckmorton*					
Titus	6,200	6,300	12,500		12,500
Tom Green		3,004	3,004		3,004
Travis	220,900	14,844	235,744		235,744
Trinity		1,200	1,200		1,200
Tyler		5,000	5,000		5,000
Upshur*					
Uvalde		5,600	5,600		5,600
Van Zandt		6,800	6,800		6,800
Victoria*					
Walker	25,000	12,508	37,508		37,508
Waller		6,163	6,163		6,163
Washington	15,000	16,432	31,432		31,432
Webb		2,000	2,000		2,000
Wharton		3,000	3,000		3,000
Wheeler	21,000	2,500	23,500		23,500
Williamson*					
Wilson		6,000	6,000		6,000
Wise		200	200		200
Wood		3,192	3,192		3,192
Young	2,000	1,500	3,500		3,500
Zapata		3,500	3,500		3,500

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

ARKANSAS.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	5,045,616	3,903,513	8,949,129	1,010,345	7,938,784
State debt proper	2,813,500	2,232,905	5,046,405	1,006,668	4,039,737
Local debt—					
County debt	1,691,689	1,444,060	3,135,749		3,135,749
City and town debt	540,427	226,548	766,975	3,677	763,298
Total	2,232,116	1,670,608	3,902,724	3,677	3,899,047

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it, but not including any portion of the state debt proper. There are school district debts in Arkansas amounting to $45,121 that are not included. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Arkansas		20,000	20,000		20,000
Ashley		6,609	6,609		6,609
Baxter		3,846	3,846		3,846
Benton*					
Boone		14,000	14,000		14,000
Bradley*					
Calhoun		1,800	1,800		1,800
Carroll		6,735	6,735		6,735
Chicot	200,000	116,314	316,314		316,314
Clarke	213,003	30,000	243,003		243,003
Clay		2,000	2,000		2,000
Columbia*					
Conway	18,057	36,599	54,656		54,656
Craighead*					
Crawford	16,676	15,908	32,584		32,584
Crittenden	5,151	25,326	30,477		30,477
Cross	11,455	2,936	14,391		14,391
Dallas		9,938	9,938		9,938
Desha	3,500	9,000	12,500		12,500
Dorsey		15,000	15,000		15,000
Drew*					
Faulkner	7,200	30,135	37,335		37,335
Franklin	18,688	13,770	32,458		32,458
Fulton		5,958	5,958		5,958
Garland		21,264	21,264		21,264
Grant		3,985	3,985		3,985
Greene		8,033	8,033		8,033
Hempstead	11,442	10,000	21,442		21,442
Hot Springs	32,000		32,000		32,000
Howard		21,844	21,844		21,844
Independence*					
Izard		8,480	8,480		8,480
Jackson		2,124	2,124		2,124
Jefferson	267,304	50,000	317,304		317,304
Johnson	8,030	28,540	36,570		36,570
La Fayette		13,312	13,312		13,312
Lawrence		4,434	4,434		4,434
Lee	70,000	11,131	81,131		81,131
Lincoln		23,779	23,779		23,779
Little River	12,100	26,029	38,129		38,129
Logan		12,000	12,000		12,000
Lonoke		33,176	33,176		33,176
Madison		7,805	7,805		7,805
Marion	1,600	6,836	8,436		8,436
Miller		19,494	19,494		19,494

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—ARKANSAS—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Mississippi	.....	12,698	12,698	.....	12,698
Monroe	119,160	33,877	153,037	.....	153,037
Montgomery	664	6,991	7,655	.....	7,655
Nevada	550	12,883	13,433	.....	13,433
Newton	.....	8,650	8,650	.....	8,650
Ouachita	38,950	13,111	52,061	.....	52,061
Perry	6,800	6,287	13,087	.....	13,087
Phillips	370,000	127,166	497,166	.....	497,166
Pike	500	1,000	1,500	.....	1,500
Poinsett	.....	47,280	47,280	.....	47,280
Polk	1,200	7,300	8,500	.....	8,500
Pope	.....	22,340	22,340	.....	22,340
Prairie	250	.....	250	.....	250
Pulaski	483,129	488,392	971,521	.....	971,521
Randolph	.....	31,238	31,238	.....	31,238
Saint Francis	37,500	19,507	57,007	.....	57,007
Saline	.....	5,822	5,822	.....	5,822
Scott	.....	6,700	6,700	.....	6,700
Searcy	.....	4,000	4,000	.....	4,000
Sebastian	61,034	17,337	78,371	2,277	76,094
Sevier	.....	4,000	4,000	.....	4,000
Sharp	.....	10,100	10,100	.....	10,100
Stone	.....	8,859	8,859	.....	8,859
Union	315	32,843	33,158	.....	33,158
Van Buren	12,292	3,902	16,194	.....	16,194
Washington	*a* 160,000	25,925	185,925	.....	185,925
White	3,288	14,024	17,312	1,400	15,912
Woodruff	16,799	8,176	24,975	.....	24,975
Yell	23,479	12,060	35,539	.....	35,539

a The amount of bonded debt of the county proper included in this sum is $130,000, but late reports show the true amount to be $100,000, of which $16,000 is to be paid by the state.

KENTUCKY.

Total debt of the State	19,112,153	1,363,182	20,475,335	5,497,454	14,977,881
State debt proper	1,858,008	.....	1,858,008	768,152	1,089,856
Local debt—					
County debt	6,149,329	175,073	6,324,402	447,359	5,877,043
School district debt	.....	16,388	16,388	.....	16,388
City and town debt	11,104,816	1,171,721	12,276,537	4,281,943	7,994,594
Total	17,254,145	1,363,182	18,617,327	4,729,302	13,888,025

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, and school districts that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Adair	.....	75	75	.....	75
Allen	219,800	.....	219,800	.....	219,800
Anderson	.....	34,250	34,250	.....	34,250
Ballard	.....	8,000	8,000	.....	8,000
Barren	25,000	2,500	27,500	.....	27,500
Bath	104,750	135	104,885	.....	104,885
Bell*	.....	.....	.....	.....	.....
Boone	.....	1,000	1,000	.....	1,000
Bourbon	63,955	4,550	68,505	25,000	43,505
Boyd	14,831	16,035	30,866	.....	30,866

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—KENTUCKY—Cont'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Boyle	48,000	2,000	50,000	4,178	45,822
Bracken	27,620	3,736	31,356		31,356
Breathitt*					
Breckinridge	8,000	2,100	10,100		10,100
Bullitt*					
Butler		150	150		150
Caldwell	325,000	100	325,100		325,100
Calloway*					
Campbell	1,087,500	22,204	1,109,704	9,950	1,099,754
Carroll	18,000		18,000		18,000
Carter	106,000	1,800	107,800		107,800
Casey*					
Christian	223,000		223,000		223,000
Clark	108,600		108,600	6,591	102,009
Clay*					
Clinton		440	440		440
Crittenden		2,600	2,600		2,600
Cumberland		6,000	6,000		6,000
Daviess	217,000	9,816	226,816		226,816
Edmonson	17,500		17,500		17,500
Estill		5,234	5,234		5,234
Elliott	1,654		1,654		1,654
Fayette	421,000		421,000	75,000	346,000
Fleming		530	530		530
Floyd*					
Franklin	120,000	31,592	151,592	9,634	141,958
Fulton		200	200		200
Gallatin	7,800		7,800		7,800
Garrard	152,266	690	152,956	50,000	102,956
Grant	20,000		20,000		20,000
Graves	5,500		5,500		5,500
Grayson	170,000		170,000		170,000
Green	3,000	432	3,432		3,432
Greenup	37,360	10	37,370	4,215	33,155
Hancock	6,500		6,500		6,500
Hardin	271,000		271,000	196,000	75,000
Harlan	3,000	1,500	4,500		4,500
Harrison	2,377	42,598	44,975		44,975
Hart	35,000	300	35,300		35,300
Henderson	26,100	8,000	34,100		34,100
Henry	20,000	3,000	23,000		23,000
Hickman	13,000	3,973	16,973	1,623	15,350
Hopkins	158,700	24,000	182,700		182,700
Jackson		1,938	1,938		1,938
Jefferson	8,079,000	1,033,560	9,112,560	4,255,625	4,856,935
Jessamine		3,850	3,850		3,850
Johnson*					
Kenton	1,031,000	5,000	1,036,000		1,036,000
Knox*					
La Rue*					
Laurel*					
Lawrence*					
Lee*					
Leslie	900	2,000	2,900		2,900
Letcher		4,200	4,200		4,200
Lewis	25,000		25,000		25,000
Lincoln	24,000	100	24,100		24,100
Livingston	6,000	857	6,857		6,857
Logan	398,400		398,400		398,400
Lyon	169,000	647	169,647	25,000	144,647
McCracken	638,000		638,000		638,000
McLean	50,000	400	50,400		50,400
Madison	134,000	3,100	137,100		137,100
Magoffin		170	170		170
Marion	234,500	2,300	236,800		236,800

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—KENTUCKY—Cont'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Marshall	.....	1,050	1,050	.....	1,050
Martin	3,600	.....	3,600	.....	3,600
Mason	166,900	.....	166,900	16,000	150,900
Meade	300	574	874	.....	874
Menifee	5,250	.....	5,250	.....	5,250
Mercer	16,000	.....	16,000	.....	16,000
Metcalfe	.....	93	93	.....	93
Monroe	.....	80	80	.....	80
Montgomery	150,867	3,800	154,667	.....	154,667
Morgan*	.....	.....	.....	.....	.....
Muhlenburgh	400,000	800	400,800	.....	400,800
Nelson*	.....	.....	.....	.....	.....
Nicholas	9,000	.....	9,000	3,000	6,000
Ohio	10,000	.....	10,000	.....	10,000
Oldham	4,549	5,622	10,171	.....	10,171
Owen	82,000	500	82,500	.....	82,500
Owsley	.....	8,000	8,000	.....	8,000
Pendleton	12,000	8,448	20,448	.....	20,448
Perry	.....	318	318	.....	318
Pike*	.....	.....	.....	.....	.....
Powell*	.....	.....	.....	.....	.....
Pulaski	20,000	.....	20,000	.....	20,000
Robertson	.....	860	860	.....	860
Rockcastle	14,000	.....	14,000	.....	14,000
Rowan	800	500	1,300	.....	1,300
Russell	4,000	.....	4,000	.....	4,000
Scott	15,200	6,700	21,900	.....	21,900
Shelby	553,500	.....	553,500	.....	553,500
Simpson	2,400	6,000	8,400	.....	8,400
Spencer	245,500	.....	245,500	.....	245,500
Taylor	250,900	.....	250,900	.....	250,900
Todd	.....	5,000	5,000	.....	5,000
Trigg	.....	5,000	5,000	.....	5,000
Trimble	2,600	4,950	7,550	.....	7,550
Union	64,500	6,815	71,315	10,486	60,829
Warren	272,000	.....	272,000	37,000	235,000
Washington	52,000	.....	52,000	.....	52,000
Wayne	7,000	.....	7,000	.....	7,000
Webster*	.....	.....	.....	.....	.....
Whitley*	.....	.....	.....	.....	.....
Wolfe*	.....	.....	.....	.....	.....
Woodford	10,666	400	11,066	.....	11,066

TENNESSEE.

Total debt of the State	28,338,282	9,051,275	37,389,557	1,657	37,387,900
State debt proper	20,991,700	6,448,731	27,440,431	.....	27,440,431
Local debt—					
County debt	2,559,348	501,197	3,060,545	.....	3,060,545
City and town debt	4,787,234	2,101,347	6,888,581	1,657	6,886,924
Total	7,346,582	2,602,544	9,949,126	1,657	9,947,469

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Anderson	72,000	.....	72,000	.....	72,000
Bedford	16,000	.....	16,000	.....	16,000
Benton*	.....	.....	.....	.....	.....
Bledsoe*	.....	.....	.....	.....	.....
Blount	156,000	5,500	161,500	.....	161,500

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—TENNESSEE—Cont'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Bradley		6,000	6,000		6,000
Campbell*					
Cannon		2,929	2,929		2,929
Carroll*					
Carter		3,000	3,000		3,000
Cheatham	150	1,500	1,650		1,650
Claiborne*					
Clay		500	500		500
Cocke		2,313	2,313		2,313
Coffee*					
Crockett		2,789	2,789		2,789
Cumberland		3,000	3,000		3,000
Davidson	1,794,200	270,000	2,064,200		2,064,200
Decatur		1,000	1,000		1,000
De Kalb*					
Dickson		40	40		40
Dyer	50,000	4,000	54,000		54,000
Fayette		4,761	4,761		4,761
Fentress	260	4,408	4,668		4,668
Franklin*					
Gibson	46,300	15,810	62,110		62,110
Giles	27,500	6,000	33,500		33,500
Grainger*					
Greene*					
Grundy		2,000	2,000		2,000
Hamblen	23,071	5,700	28,771		28,771
Hamilton	21,000	95,264	116,264		116,264
Hancock	2,510	2,772	5,282		5,282
Hardeman		500	500		500
Hardin*					
Hawkins	40,000		40,000		40,000
Haywood	90,700	4,000	94,700		94,700
Henderson*					
Henry	4,750	8,618	13,368		13,368
Hickman	30,000	5,000	35,000		35,000
Houston		500	500		500
Humphreys		2,000	2,000		2,000
Jackson		14,704	14,704		14,704
James*					
Jefferson	16,000	5,036	21,036		21,036
Johnson		5,354	5,354		5,354
Knox	459,880	107,496	567,376		567,376
Lake*					
Lauderdale*					
Lawrence		6,050	6,050		6,050
Lewis*					
Lincoln	1,400	5,511	6,911		6,911
Loudon*					
McMinn*					
McNairy		7,000	7,000		7,000
Macon		600	600		600
Madison	17,529	29,110	46,639		46,639
Marion*					
Marshall	121,900	10,000	131,900		131,900
Maury	52,790	34,268	87,058		87,058
Meigs*					
Monroe*					
Montgomery	357,423	8,443	365,866	1,657	364,209
Moore		2,200	2,200		2,200
Morgan		145	145		145
Obion		2,500	2,500		2,500
Overton*					
Perry		1,000	1,000		1,000
Polk*					
Putnam		900	900		900

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—TENNESSEE—Cont'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Rhea		381	381		381
Roane*					
Robertson	18,000	300	18,300		18,300
Rutherford*					
Scott*					
Sequatchie*					
Sevier		1,072	1,072		1,072
Shelby	*a* 3,328,698	1,841,285	5,169,983		5,169,983
Smith*					
Stewart		1,500	1,500		1,500
Sullivan	9,500	16,800	26,300		26,300
Sumner	308,950	878	309,828		309,828
Tipton	7,500	1,065	8,565		8,565
Trousdale		6,428	6,428		6,428
Unicoi		416	416		416
Union		9,262	9,262		9,262
Van Buren		2,000	2,000		2,000
Warren*					
Washington*					
Wayne		3,000	3,000		3,000
Weakley		300	300		300
White		3,000	3,000		3,000
Williamson		13,200	13,200		13,200
Wilson	272,571	1,436	274,007		274,007

a This amount is inclusive of the debt of Memphis city at the time it surrendered its charter, January 31, 1879.

WESTERN STATES.

OHIO.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	53,654,507	823,086	54,477,593	5,721,139	48,756,454
State debt proper	6,476,805		6,476,805	741,805	5,735,000
Local debt—					
County debt	2,957,871	4,778	2,962,649		2,962,649
Township debt	157,821	4,000	161,821		161,821
School-district debt	1,452,199		1,452,199		1,452,199
City and town debt	42,609,811	814,308	43,424,119	4,979,334	38,444,785
Total	47,177,702	823,086	48,000,788	4,979,334	43,021,454

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the townships, cities, incorporated villages, and school districts that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Adams	1,340	2,400	3,740		3,740
Allen	45,176		45,176		45,176
Ashland	18,100		18,100		18,100
Ashtabula	3,899		3,899		3,899
Athens	51,050		51,050		51,050
Auglaize	84,496		84,496		84,496
Belmont	157,922		157,922		157,922
Brown	23,700		23,700		23,700
Butler	185,133		185,133		185,133
Carroll*					

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—OHIO—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Champaign	187,350	.....	187,350	.....	187,350
Clarke	239,007	100	239,107	6,273	232,834
Clermont	22,900	.....	22,900	.....	22,900
Clinton	40,500	.....	40,500	.....	40,500
Columbiana	72,880	.....	72,880	.....	72,880
Coshocton	11,000	.....	11,000	.....	11,000
Crawford	93,222	.....	93,222	.....	93,222
Cuyahoga	8,976,648	143,881	9,120,529	2,267,935	6,852,594
Darke	78,389	.....	78,389	.....	78,389
Defiance	28,684	.....	28,684	.....	28,684
Delaware	79,918	.....	79,918	.....	79,918
Erie	558,117	.....	558,117	107,885	450,232
Fairfield	37,910	.....	37,910	.....	37,910
Fayette	29,612	.....	29,612	.....	29,612
Franklin	1,284,500	46,459	1,330,959	.....	1,330,959
Fulton	12,300	.....	12,300	.....	12,300
Gallia	141,842	.....	141,842	.....	141,842
Geauga	17,580	2,567	20,147	.....	20,147
Greene	64,736	.....	64,736	.....	64,736
Guernsey	33,695	.....	33,695	.....	33,695
Hamilton	24,196,838	500,000	24,696,838	2,411,000	22,285,838
Hancock	52,107	.....	52,107	.....	52,107
Hardin	226,186	.....	226,186	.....	226,186
Harrison*	.....	.....	.....	.....	.....
Henry	81,500	.....	81,500	.....	81,500
Highland	51,750	.....	51,750	.....	51,750
Hocking*	.....	.....	.....	.....	.....
Holmes*	.....	.....	.....	.....	.....
Huron	39,930	.....	39,930	.....	39,930
Jackson*	.....	.....	.....	.....	.....
Jefferson	50,650	.....	50,650	5,698	44,952
Knox*	.....	.....	.....	.....	.....
Lake	14,934	.....	14,934	.....	14,934
Lawrence	325,658	.....	325,658	2,777	322,881
Licking	177,000	6,902	183,902	.....	183,902
Logan	153,222	1,352	154,574	.....	154,574
Lorain	36,500	.....	36,500	.....	36,500
Lucas	3,633,897	84,197	3,768,094	141,586	3,626,508
Madison	7,157	.....	7,157	.....	7,157
Mahoning	215,450	.....	215,450	9,643	205,807
Marion	32,974	.....	32,974	.....	32,974
Medina	24,263	.....	24,263	.....	24,263
Meigs	165,450	.....	165,450	.....	165,450
Mercer	26,850	.....	26,850	.....	26,850
Miami	411,796	500	412,296	.....	412,296
Monroe	10,558	.....	10,558	.....	10,558
Montgomery	1,179,150	11,340	1,190,490	8,819	1,181,671
Morgan*	.....	.....	.....	.....	.....
Morrow	17,058	.....	17,058	.....	17,058
Muskingum	676,577	11,800	688,377	5,446	682,931
Noble	6,056	.....	6,056	.....	6,056
Ottawa	19,759	.....	19,759	.....	19,759
Paulding	76,500	.....	76,500	.....	76,500
Perry	5,000	.....	5,000	.....	5,000
Pickaway	4,850	.....	4,850	.....	4,850
Pike	8,000	.....	8,000	.....	8,000
Portage	11,250	.....	11,250	.....	11,250
Preble	29,624	.....	29,624	.....	29,624
Putnam	27,850	.....	27,850	.....	27,850
Richland	205,159	.....	205,159	.....	205,159
Ross	90,300	.....	90,300	.....	90,300
Sandusky	90,192	.....	90,192	.....	90,192
Scioto	595,600	11,278	606,878	6,891	599,987
Seneca	99,435	.....	99,435	.....	99,435
Shelby	116,300	.....	116,300	.....	116,300

TABLE CXXX.—*Debts of states, territories, counties, cities, &c.*—OHIO—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Stark	391, 586	.....	391, 586	.....	391, 586
Summit	56, 784	.....	56, 784	5, 381	51, 403
Trumbull	53, 473	.....	53, 473	.....	53, 473
Tuscarawas	76, 194	.....	76, 194	.....	76, 194
Union	125, 349	.....	125, 349	.....	125, 349
Van Wert	122, 000	.....	122, 000	.....	122, 000
Vinton*	.....	.....	.....	.....	.....
Warren	28, 887	.....	28, 887	.....	28, 887
Washington	204, 669	310	204, 979	.....	204, 979
Wayne	140, 682	.....	140, 682	.....	140, 682
Williams	9, 198	.....	9, 198	.....	9, 198
Wood	137, 894	.....	137, 894	.....	137, 894
Wyandot	6, 050	.....	6, 050	.....	6, 050

INDIANA.

Total debt of the State	16, 794, 078	1, 751, 413	18, 545, 491	190, 754	18, 354, 737
State debt proper	4, 998, 178	.....	4, 998, 178	.....	4, 998, 178
Local debt—					
County debt	2, 886, 557	1, 187, 897	4, 074, 454	26, 400	4, 048, 054
Township debt	79, 214	147, 226	226, 440	.....	226, 440
City and town debt	8, 830, 129	416, 290	9, 246, 419	164, 354	9, 082, 065
Total	11, 795, 900	1, 751, 413	13, 547, 313	190, 754	13, 356, 559

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the townships, towns, cities, and school districts that lie within it, but not including any portion of the state debt proper. In the exhibit of local debt given above the school-district debt is inseparably combined with the township, city, and town debt.

COUNTIES.					
Adams	44, 185	14, 207	58, 392	.....	58, 392
Allen	859, 500	.....	859, 500	210	859, 290
Bartholomew	150, 800	1, 974	152, 774	.....	152, 774
Benton	50, 000	5, 989	55, 989	.....	55, 989
Blackford	42, 500	150	42, 650	.....	42, 650
Boone	14, 600	.....	14, 600	.....	14, 600
Brown	10, 500	3, 000	13, 500	.....	13, 500
Carroll	131, 200	5, 400	136, 600	.....	136, 600
Cass	470, 621	61, 376	531, 997	.....	531, 997
Clark	296, 850	42, 250	339, 100	62, 658	276, 442
Clay	92, 930	2, 075	95, 005	1, 600	93, 405
Clinton	33, 000	.....	33, 000	4, 237	28, 763
Crawford	800	23, 986	24, 786	.....	24, 786
Daviess	43, 440	1, 000	44, 440	2, 266	42, 174
Dearborn	161, 300	5, 900	167, 200	2, 513	164, 687
Decatur	27, 500	15, 000	42, 500	.....	42, 500
De Kalb	52, 565	43, 404	95, 969	778	95, 191
Delaware	20, 000	1, 800	21, 800	.....	21, 800
Dubois	7, 017	833, 530	840, 547	.....	840, 547
Elkhart	63, 025	3, 878	66, 903	2, 781	64, 122
Fayette	15, 150	2, 463	17, 613	.....	17, 613
Floyd	372, 900	17, 798	390, 698	.....	390, 698
Fountain	156, 000	2, 680	158, 680	2, 077	156, 603
Franklin	30, 160	1, 604	31, 764	.....	31, 764
Fulton	20, 000	500	20, 500	.....	20, 500
Gibson	5, 000	5, 465	10, 465	.....	10, 465
Grant	62, 000	962	62, 962	986	61, 976
Greene	54, 825	3, 350	58, 175	.....	58, 175
Hamilton	132, 000	794	132, 794	.....	132, 794
Hancock	30, 250	3, 500	33, 750	.....	33, 750

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—INDIANA—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Harrison	1,100	13,633	14,733	.....	14,733
Hendricks	20,500	21,455	41,955	.....	41,955
Henry	5,744	324	6,068	.....	6,068
Howard	82,900	9,661	92,561	14,544	78,017
Huntington	22,000	26,426	48,426	.....	48,426
Jackson	22,600	729	23,329	.....	23,329
Jasper	700	120	820	.....	820
Jay	71,400	11,350	82,750	864	81,886
Jefferson	141,572	130,803	272,375	.....	272,375
Jennings	1,160	2,404	3,564	.....	3,564
Johnson	97,500	5,000	102,500	656	101,844
Knox	217,000	1,795	218,795	.....	218,795
Kosciusko	50,000	3,126	53,126	1,245	51,881
Lagrange	15,000	5,400	20,400	2,300	18,100
Lake	800	1,150	1,950	.....	1,950
La Porte	132,500	21,300	153,800	5,343	148,457
Lawrence	12,710	3,471	16,181	.....	16,181
Madison	34,000	9,090	43,090	3,886	39,204
Marion	2,958,741	12,000	2,970,741	.....	2,970,741
Marshall	36,300	200	36,500	.....	36,500
Martin	26,250	500	26,750	.....	26,750
Miami	192,226	13,069	205,295	175	205,120
Monroe	34,000	500	34,500	.....	34,500
Montgomery	3,000	1,824	4,824	.....	4,824
Morgan	53,200	14,575	67,775	.....	67,775
Newton	30,000	1,124	31,124	.....	31,124
Noble	35,500	3,996	39,496	.....	39,496
Ohio	6,400	2,975	9,375	.....	9,375
Orange	16,500	.....	16,500	.....	16,500
Owen	19,100	86	19,186	2,400	16,786
Parke	167,500	100	167,600	4,000	163,600
Perry	2,370	67,630	70,000	.....	70,000
Pike	17,200	17,142	34,342	.....	34,342
Porter	69,400	.....	69,400	.....	69,400
Posey	50,000	2,000	52,000	.....	52,000
Pulaski	15,600	1,040	16,640	.....	16,640
Putnam	19,000	7,863	26,863	.....	26,863
Randolph	50,000	12,860	62,860	10,000	52,860
Ripley	5,725	713	6,438	.....	6,438
Rush	.....	160	160	.....	160
Saint Joseph	351,600	7,400	359,000	24,625	334,375
Scott	15,400	6,250	21,650	.....	21,650
Shelby	6,000	1,808	7,808	.....	7,808
Spencer	.....	48,400	48,400	.....	48,400
Starke	1,500	22,500	24,000	.....	24,000
Steuben	23,684	747	24,431	.....	24,431
Sullivan	3,000	846	3,846	.....	3,846
Switzerland	.....	950	950	.....	950
Tippecanoe	357,650	.....	357,650	.....	357,650
Tipton	45,500	1,350	46,850	6,050	40,800
Union	7,000	.....	7,000	.....	7,000
Vanderburgh	2,090,000	.....	2,090,000	.....	2,090,000
Vermillion	27,600	100	27,700	.....	27,700
Vigo	279,500	78,714	358,214	24,265	333,949
Wabash	65,200	3,100	68,300	.....	68,300
Warren	10,000	6,176	16,176	495	15,681
Warrick	53,500	31,089	84,589	.....	84,589
Washington	3,600	200	3,800	.....	3,800
Wayne	202,500	1,400	203,900	.....	203,900
Wells	.....	2,700	2,700	.....	2,700
White	54,450	5,191	59,641	9,800	49,841
Whitley	10,400	863	11,263	.....	11,263

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

ILLINOIS.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	41,421,869	4,228,303	45,650,172	707,750	44,942,422
State debt proper	.....	.....	.....	.....	.....
Local debt—					
County debt	14,127,753	268,598	14,396,351	215,217	14,181,134
Township debt	6,489,184	251,827	6,741,011	210,263	6,530,748
School-district debt	.....	3,406,306	3,406,306	.....	3,406,306
City and town debt	20,804,932	301,572	21,106,504	282,270	20,824,234
Total	41,421,869	4,228,303	45,650,172	707,750	44,942,422

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the townships, towns, cities, incorporated villages, and school districts that lie within it. There is no state debt proper.

COUNTIES.					
Adams	2,216,700	52,414	2,269,114	.....	2,269,114
Alexander	382,500	3,880	386,380	.....	386,380
Bond	41,000	3,163	44,163	.....	44,163
Boone	.....	747	747	.....	747
Brown	71,135	6,805	77,940	.....	77,940
Bureau	84,250	21,110	105,360	1,250	104,110
Calhoun	.....	3,484	3,484	.....	3,484
Carroll	1,500	6,913	8,413	.....	8,413
Cass	212,975	22,661	235,636	.....	235,636
Champaign	293,372	95,501	388,873	300	388,573
Christian	191,600	23,317	214,917	1,500	213,417
Clark	228,000	3,428	231,428	10,000	221,428
Clay	212,411	21,308	233,719	.....	233,719
Clinton	43,200	875	44,075	.....	44,075
Coles	306,100	11,700	317,800	4,600	313,200
Cook	18,624,300	1,808,360	20,432,660	551,747	19,880,913
Crawford	221,000	1,886	222,886	.....	222,886
Cumberland	25,000	5,343	30,343	.....	30,343
De Kalb	33,200	8,805	42,005	.....	42,005
De Witt	410,000	4,778	414,778	.....	414,778
Douglas	159,000	29,575	188,575	.....	188,575
Du Page	6,200	36,550	42,750	.....	42,750
Edgar	199,500	15,930	215,430	.....	215,430
Edwards	.....	3,420	3,420	.....	3,420
Effingham	48,320	13,053	61,373	185	61,188
Fayette	.....	11,337	11,337	.....	11,337
Ford	230,255	30,279	260,534	.....	260,534
Franklin	173,000	7,705	180,705	.....	180,705
Fulton	258,182	13,843	272,025	.....	272,025
Gallatin	375,000	2,000	377,000	.....	377,000
Greene	.....	26,600	26,600	.....	26,600
Grundy	13,115	37,660	50,775	.....	50,775
Hamilton	237,000	948	237,948	.....	237,948
Hancock	373,800	14,718	388,518	.....	388,518
Hardin	.....	3,640	3,640	.....	3,640
Henderson	56,357	166	56,523	.....	56,523
Henry	188,500	6,258	194,758	.....	194,758
Iroquois	144,873	24,046	168,919	.....	168,919
Jackson	68,000	100,879	168,879	.....	168,879
Jasper	168,169	1,927	170,096	.....	170,096
Jefferson	125,000	6,668	131,668	.....	131,668
Jersey	26,500	40,991	67,491	.....	67,491
Jo Daviess	155,776	111,977	267,753	.....	267,753
Johnson	97,600	7,900	105,500	.....	105,500
Kane	109,000	83,327	192,327	.....	192,327

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—ILLINOIS—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Kankakee	402, 802	67, 176	469, 978	.....	469, 978
Kendall	150, 000	858	150, 858	20, 000	130, 858
Knox	56, 800	9, 829	66, 629	.....	66, 629
Lake	500	7, 815	8, 315	.....	8, 315
La Salle	450, 188	30, 743	480, 931	5, 000	475, 931
Lawrence	.....	10, 747	10, 747	.....	10, 747
Lee	167, 300	19, 613	186, 913	.....	186, 913
Livingston	237, 240	35, 493	272, 733	1, 500	271, 233
Logan	401, 400	52, 983	454, 383	7, 000	447, 383
McDonough	167, 550	7, 101	174, 651	.....	174, 651
McHenry	4, 000	59, 778	63, 778	.....	63, 778
McLean	613, 400	129, 070	742, 470	4, 100	738, 370
Macon	342, 300	17, 986	360, 286	4, 925	355, 361
Macoupin	1, 182, 600	16, 860	1, 199, 460	.....	1, 199, 460
Madison	543, 850	20, 085	563, 935	62, 859	501, 076
Marion	.....	1, 948	1, 948	.....	1, 948
Marshall	109, 200	40, 500	149, 700	.....	149, 700
Mason	235, 500	16, 428	251, 928	.....	251, 928
Massac	.....	16, 615	16, 615	.....	16, 615
Menard	97, 500	350	97, 850	.....	97, 850
Mercer	128, 600	8, 943	137, 543	1, 750	135, 793
Monroe	100, 000	13, 217	113, 217	.....	113, 217
Montgomery	155, 000	19, 608	174, 608	.....	174, 608
Morgan	354, 000	53, 171	407, 171	.....	407, 171
Moultrie	360, 000	11, 913	371, 913	.....	371, 913
Ogle	73, 700	27, 548	101, 248	.....	101, 248
Peoria	1, 226, 200	55, 621	1, 281, 821	.....	1, 281, 821
Perry	200, 500	10, 709	211, 209	.....	211, 209
Piatt	96, 500	2, 766	99, 266	.....	99, 266
Pike	458, 799	50, 381	509, 180	.....	509, 180
Pope	28, 000	5, 350	33, 350	.....	33, 350
Pulaski	94, 000	1, 089	95, 089	.....	95, 089
Putnam	65, 000	3, 000	68, 000	.....	68, 000
Randolph	221, 850	12, 250	234, 100	7, 340	226, 760
Richland	200, 000	2, 510	202, 510	.....	202, 510
Rock Island	381, 550	28, 205	409, 755	9, 429	400, 326
Saint Clair	557, 100	179, 182	736, 282	5, 088	731, 194
Saline	200, 000	22, 440	222, 440	.....	222, 440
Sangamon	1, 105, 980	4, 979	1, 110, 959	.....	1, 110, 959
Schuyler	101, 588	3, 740	105, 328	.....	105, 328
Scott	10, 000	5, 350	15, 350	.....	15, 350
Shelby	191, 000	32, 508	223, 508	6, 677	216, 831
Stark	199, 500	18, 825	218, 325	2, 000	216, 325
Stephenson	23, 500	56, 720	80, 220	.....	80, 220
Tazewell	552, 400	36, 321	588, 721	.....	588, 721
Union	53, 000	19, 569	72, 569	.....	72, 569
Vermilion	83, 624	77, 934	161, 558	.....	161, 558
Wabash	151, 350	470	151, 820	.....	151, 820
Warren	403, 600	1, 313	404, 913	.....	404, 913
Washington	200, 000	30, 886	230, 886	.....	230, 886
Wayne	297, 000	14, 009	311, 009	.....	311, 009
White	286, 440	20, 762	307, 202	500	306, 702
Whiteside	112, 218	33, 144	145, 362	.....	145, 362
Will	54, 000	15, 757	69, 757	.....	69, 757
Williamson	100, 000	10, 949	110, 949	.....	110, 949
Winnebago	475, 350	17, 781	493, 131	.....	493, 131
Woodford	147, 000	19, 530	166, 530	.....	166, 530

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

MICHIGAN.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	9, 802, 293	454, 735	10, 257, 028	1, 453, 884	8, 803, 144
State debt proper	905, 150	.....	905, 150	*a* 905, 150	.....
Local debt—					
County debt	870, 302	26, 398	896, 700	.....	896, 700
Township debt	349, 848	279, 357	629, 205	.....	629, 205
School-district debt	1, 293, 592	96, 081	1, 389, 673	.....	1, 389, 673
City and town debt	6, 383, 401	52, 899	6, 436, 300	548, 734	5, 887, 566
Total	8, 897, 143	454, 735	9, 351, 878	548, 734	8, 803, 144

a The amount entered as sinking fund is only a sufficient portion of it to balance the gross debt. There is over and above this in the sinking fund $303,745. In other words, this fund amounts to $1,208,895.

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the townships, cities, incorporated villages, and school districts that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Alcona	7, 900	33, 669	41, 569	.....	41, 569
Allegan	58, 027	3, 646	61, 673	.....	61, 673
Alpena	1, 000	20, 926	21, 926	.....	21, 926
Antrim	6, 026	1, 626	7, 652	.....	7, 652
Baraga	1, 571	1, 271	2, 842	.....	2, 842
Barry	86, 757	1, 447	88, 204	1, 500	86, 704
Bay	608, 759	7, 599	616, 358	.....	616, 358
Benzie	567	169	736	.....	736
Berrien	163, 038	2, 912	165, 950	.....	165, 950
Branch	20, 600	2, 202	22, 802	.....	22, 802
Calhoun	318, 922	1, 560	320, 482	.....	320, 482
Cass	10, 050	2, 182	12, 232	.....	12, 232
Charlevoix	7, 433	2, 372	9, 805	.....	9, 805
Cheboygan	24, 919	3, 964	28, 883	.....	28, 883
Chippewa	38, 870	84	38, 954	.....	38, 954
Clare	1, 612	16, 727	18, 339	.....	18, 339
Clinton	7, 418	2, 189	9, 607	.....	9, 607
Crawford	9, 650	1, 520	11, 170	.....	11, 170
Delta	500	1, 342	1, 842	.....	1, 842
Eaton	108, 377	3, 661	112, 038	.....	112, 038
Emmet	11, 258	4, 659	15, 917	.....	15, 917
Genesee	181, 911	3, 836	185, 747	.....	185, 747
Gladwin	15, 150	11, 946	27, 096	.....	27, 096
Grand Traverse	5, 347	828	6, 175	.....	6, 175
Gratiot	23, 432	3, 699	27, 131	.....	27, 131
Hillsdale	44, 885	4, 227	49, 112	.....	49, 112
Houghton	15, 150	8, 213	23, 363	.....	23, 363
Huron	5, 024	3, 002	8, 026	.....	8, 026
Ingham	180, 967	1, 838	182, 805	.....	182, 805
Ionia	37, 548	17, 622	55, 170	.....	55, 170
Iosco	39, 145	6, 584	45, 729	.....	45, 729
Isabella	6, 655	5, 879	12, 534	.....	12, 534
Isle Royale*	.....	.....	.....	.....	.....
Jackson	202, 159	3, 086	205, 245	.....	205, 245
Kalamazoo	33, 605	914	34, 519	.....	34, 519
Kalkaska	3, 090	3, 036	6, 126	.....	6, 126
Kent	593, 969	9, 476	603, 445	.....	603, 445
Keweenaw	.....	1, 030	1, 030	.....	1, 030
Lake	5, 920	4, 229	10, 149	.....	10, 149
Lapeer	14, 419	5, 505	19, 924	.....	19, 924

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—MICHIGAN—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Leelanaw	1,437	523	1,960	.....	1,960
Lenawee	114,415	9,828	124,243	.....	124,243
Livingston	26,557	6,872	33,429	.....	33,429
Mackinac	6,486	11,218	17,704	.....	17,704
Macomb	22,153	1,702	23,855	.....	23,855
Manistee	67,821	2,275	70,096	6,500	63,596
Manitou	.....	44	44	.....	44
Marquette	212,546	3,671	216,217	.....	216,217
Mason	27,066	2,535	29,601	.....	29,601
Mecosta	67,337	8,327	75,664	.....	75,664
Menominee	2,915	2,881	5,796	.....	5,796
Midland	56,983	17,013	73,996	.....	73,996
Missaukee	341	1,614	1,955	.....	1,955
Monroe	37,278	617	37,895	.....	37,895
Montcalm	42,347	3,712	46,059	.....	46,059
Muskegon	237,826	1,641	239,467	.....	239,467
Newaygo	23,971	2,565	26,536	.....	26,536
Oakland	58,065	4,552	62,617	.....	62,617
Oceana	3,714	1,648	5,362	.....	5,362
Ogemaw	7,820	9,218	17,038	.....	17,038
Ontonagon	.....	2,806	2,806	.....	2,806
Osceola	28,170	3,679	31,849	.....	31,849
Otsego	8,677	1,851	10,528	.....	10,528
Ottawa	58,088	8,968	67,056	.....	67,056
Presque Isle	8,431	56,830	65,261	.....	65,261
Roscommon	17,140	7,452	24,592	.....	24,592
Saginaw	940,805	21,938	962,743	.....	962,743
Saint Clair	428,899	2,166	431,065	11,800	419,265
Saint Joseph	37,304	3,069	40,373	.....	40,373
Sanilac	26,051	6,401	32,452	.....	32,452
Schoolcraft	6,000	1,672	7,672	.....	7,672
Shiawassee	69,158	1,737	70,895	.....	70,895
Tuscola	20,511	2,946	23,457	.....	23,457
Van Buren	58,218	4,178	62,396	.....	62,396
Washtenaw	80,821	2,928	83,749	306	83,443
Wayne	3,186,254	15,756	3,202,010	528,628	2,673,382
Wexford	3,908	7,225	11,133	.....	11,133

WISCONSIN.

Total debt of the State	9,118,403	2,872,820	11,991,223	114,231	11,876,992
State debt proper	11,000	2,241,057	2,252,057	.....	2,252,057
Local debt—					
County debt	2,080,169	212,085	2,292,254	.....	2,292,254
School-district debt	.....	276,567	276,567	.....	276,567
City and town debt	7,027,234	143,111	7,170,345	114,231	7,056,114
Total	9,107,403	631,763	9,739,166	114,231	9,624,935

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, incorporated villages, and school districts that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Adams	.....	.....	225	.....	225
Ashland	221,000	.....	221,000	.....	221,000
Barron	20,430	24,771	45,201	.....	45,201
Bayfield	.....	.....	400	.....	400
Brown	476,281	26,189	502,470	.....	502,470

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—WISCONSIN—Cont'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Buffalo	.....	2, 392	2, 392	.....	2, 392
Burnett	21, 400	.....	21, 400	.....	21, 400
Calumet	75, 000	1, 475	76, 475	.....	76, 475
Chippewa	109, 757	117, 213	226, 970	.....	226, 970
Clark	23, 034	12, 453	35, 487	.....	35, 487
Columbia	36, 909	3, 520	40, 429	.....	40, 429
Crawford	.....	7, 905	7, 905	.....	7, 905
Dane	170, 075	3, 454	173, 529	16, 731	156, 798
Dodge	111, 503	10, 303	121, 806	.....	121, 806
Door	12, 000	3, 333	15, 333	.....	15, 333
Douglas	25, 000	6, 016	31, 016	.....	31, 016
Dunn	.....	4, 534	4, 534	.....	4, 534
Eau Claire	146, 000	7, 349	153, 349	.....	153, 349
Fond du Lac	165, 000	.....	165, 000	.....	165, 000
Grant	114, 368	7, 399	121, 767	.....	121, 767
Green	636	3, 090	3, 726	.....	3, 726
Green Lake	60, 532	1, 211	61, 743	.....	61, 743
Iowa	265, 600	9, 345	274, 945	.....	274, 945
Jackson	87, 400	2, 541	89, 941	.....	89, 941
Jefferson	682, 027	11, 756	693, 783	.....	693, 783
Juneau	21, 939	6, 307	28, 246	.....	28, 246
Kenosha	1, 050, 208	.....	1, 050, 208	.....	1, 050, 208
Kewaunee	.....	1, 550	1, 550	.....	1, 550
La Crosse	135, 000	1, 100	136, 100	.....	136, 100
La Fayette	.....	1, 940	1, 940	.....	1, 940
Lincoln	55, 000	1, 200	56, 200	.....	56, 200
Manitowoc	336, 750	9, 068	345, 818	.....	345, 818
Marathon	8, 650	24, 828	33, 478	.....	33, 478
Marinette*	.....	.....	.....	.....	.....
Marquette	12, 420	500	12, 920	.....	12, 920
Milwaukee	2, 570, 289	.....	2, 570, 289	90, 000	2, 480, 289
Monroe	.....	2, 562	2, 562	.....	2, 562
Oconto	23, 990	59, 022	83, 012	.....	83, 012
Outagamie	140, 930	12, 911	153, 841	.....	153, 841
Ozaukee*	.....	.....	.....	.....	.....
Pepin	.....	2, 900	2, 900	.....	2, 900
Pierce	8, 025	4, 667	12, 692	.....	12, 692
Polk	3, 284	11, 535	14, 819	.....	14, 819
Portage	273, 960	7, 787	281, 747	.....	281, 747
Price	.....	.....	2, 000	.....	2, 000
Racine	237, 186	.....	237, 186	7, 500	229, 686
Richland	8, 112	2, 662	10, 774	.....	10, 774
Rock	193, 096	34, 999	228, 095	.....	228, 095
Saint Croix	8, 476	15, 162	23, 638	.....	23, 638
Sauk	91, 745	12, 877	104, 622	.....	104, 622
Shawano	15, 129	822	15, 951	.....	15, 951
Sheboygan	392, 813	.....	392, 813	.....	392, 813
Taylor	6, 450	47, 976	54, 426	.....	54, 426
Trempealeau	81, 400	22, 009	93, 409	.....	93, 409
Vernon	42, 720	5, 802	48, 522	.....	48, 522
Walworth	104, 830	300	105, 130	.....	105, 130
Washington	.....	1, 500	1, 500	.....	1, 500
Waukesha	.....	1, 400	1, 400	.....	1, 400
Waupaca	154, 549	2, 972	157, 521	.....	157, 521
Waushara	34, 000	1, 001	35, 001	.....	35, 001
Winnebago	145, 500	53, 985	199, 485	.....	199, 485
Wood	127, 000	21, 545	148, 545	.....	148, 545

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

IOWA.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	7, 862, 302	536, 242	8, 398, 544	435, 777	7, 962, 767
State debt proper	370, 435	.....	370, 435	.....	370, 435
Local debt—					
County debt	2, 690, 467	302, 106	2, 992, 573	.....	2, 992, 573
School-district debt	1, 125, 138	.....	1, 125, 138	.....	1, 125, 138
City and town debt	3, 676, 262	234, 136	3, 910, 398	435, 777	3, 474, 621
Total	7, 491, 867	536, 242	8, 028, 109	435, 777	7, 592, 332

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, incorporated villages, and school districts that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Adair	21, 000	.....	21, 000	.....	21, 000
Adams	2, 630	600	3, 230	.....	3, 230
Allamakee	7, 000	.....	7, 000	408	6, 592
Appanoose	5, 480	3, 200	8, 680	.....	8, 680
Audubon	12, 500	.....	12, 500	.....	12, 500
Benton	23, 650	.....	23, 650	.....	23, 650
Black Hawk	84, 794	2, 572	87, 366	.....	87, 366
Boone	28, 550	4, 143	32, 693	400	32, 293
Bremer	13, 575	.....	13, 575	.....	13, 575
Buchanan	5, 600	2, 457	8, 057	.....	8, 057
Buena Vista	64, 400	7, 250	71, 650	.....	71, 650
Butler	8, 062	300	8, 362	.....	8, 362
Calhoun	.....	160	160	.....	160
Carroll	54, 300	1, 320	55, 620	.....	55, 620
Cass	11, 000	6, 100	17, 100	.....	17, 100
Cedar	21, 000	200	21, 200	.....	21, 200
Cerro Gordo	13, 666	959	14, 625	.....	14, 625
Cherokee	51, 300	.....	51, 300	.....	51, 300
Chickasaw	967	.....	967	414	553
Clarke	3, 080	1, 200	4, 280	.....	4, 280
Clay	22, 500	6, 000	28, 500	.....	28, 500
Clayton	57, 500	14, 188	71, 688	3, 042	68, 646
Clinton	103, 920	21, 256	125, 176	2, 862	122, 314
Crawford	.....	1, 900	1, 900	.....	1, 900
Dallas	10, 750	6, 842	17, 592	644	16, 948
Davis	157	10, 472	10, 629	.....	10, 629
Decatur	8, 400	.....	8, 400	.....	8, 400
Delaware	5, 600	3, 200	8, 800	.....	8, 800
Des Moines	499, 475	37, 729	537, 204	406, 393	130, 811
Dickinson	45, 600	.....	45, 600	.....	45, 600
Dubuque	834, 334	14, 177	848, 511	.....	848, 511
Emmet	29, 500	380	29, 880	.....	29, 880
Fayette	9, 575	10, 559	20, 134	.....	20, 134
Floyd	21, 000	12, 500	33, 500	.....	33, 500
Franklin*	.....	.....	.....	.....	.....
Fremont	42, 600	8, 338	50, 938	.....	50, 938
Greene	14, 000	1, 800	15, 800	.....	15, 800
Grundy	800	12, 920	13, 720	.....	13, 720
Guthrie	15, 500	3, 600	19, 100	.....	19, 100
Hamilton	400	6, 626	7, 026	.....	7, 026
Hancock*	.....	.....	.....	.....	.....
Hardin	11, 600	.....	11, 600	.....	11, 600
Harrison	20, 800	21, 820	42, 620	.....	42, 620
Henry	88, 565	2, 060	90, 625	.....	90, 625
Howard	20, 500	400	20, 900	.....	20, 900

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—IOWA—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Humboldt	45,000	.....	45,000	.....	45,000
Ida	18,600	5,041	23,641	.....	23,641
Iowa	27,900	.....	27,900	.....	27,900
Jackson	27,390	9,807	37,197	.....	37,197
Jasper	27,600	400	28,000	.....	28,000
Jefferson	390	.....	390	.....	390
Johnson	79,692	.....	79,692	.....	79,692
Jones	32,975	1,500	34,475	.....	34,475
Keokuk	25,520	.....	25,520	.....	25,520
Kossuth	26,300	2,301	28,601	.....	28,601
Lee	1,269,493	24,675	1,294,168	.....	1,294,168
Linn	104,735	12,381	117,116	4,035	113,081
Louisa	30,311	16,027	46,338	.....	46,338
Lucas	18,900	.....	18,900	.....	18,900
Lyon	186,100	5,387	191,487	.....	191,487
Madison	96,150	.....	96,150	.....	96,150
Mahaska	74,350	4,340	78,690	2,424	76,266
Marion	43,885	.....	43,885	.....	43,885
Marshall	75,900	20,649	96,549	4,154	92,395
Mills	20,235	1,782	22,017	.....	22,017
Mitchell	21,350	2,400	23,750	.....	23,750
Monona	11,200	.....	11,200	.....	11,200
Monroe	16,875	.....	16,875	.....	16,875
Montgomery	26,300	2,142	28,442	.....	28,442
Muscatine	370,550	54,933	425,483	.....	425,483
O'Brien	205,000	15,000	220,000	.....	220,000
Osceola	145,171	250	145,421	.....	145,421
Page	22,930	.....	22,930	.....	22,930
Palo Alto	29,000	5,000	34,000	.....	34,000
Plymouth	38,600	.....	38,600	.....	38,600
Pocahontas*	.....	.....	.....	.....	.....
Polk	725,595	.....	725,595	.....	725,595
Pottawattamie	173,336	22,076	195,412	.....	195,412
Poweshiek	96,700	500	97,200	.....	97,200
Ringgold	6,700	.....	6,700	.....	6,700
Sac	87,500	3,600	91,100	.....	91,100
Scott	287,835	3,000	290,835	.....	290,835
Shelby	4,500	.....	4,500	.....	4,500
Sioux	49,935	.....	49,935	.....	49,935
Story	41,200	.....	41,200	.....	41,200
Tama	37,150	1,175	38,325	.....	38,325
Taylor	12,500	.....	12,500	.....	12,500
Union	46,400	3,000	49,400	.....	49,400
Van Buren	5,861	18,652	24,513	.....	24,513
Wapello	58,206	24,726	82,932	3,001	79,931
Warren	42,310	.....	42,310	.....	42,310
Washington	2,575	.....	2,575	.....	2,575
Wayne	18,271	.....	18,271	.....	18,271
Webster	88,400	15,000	103,400	.....	103,400
Winnebago	41,000	7,000	48,000	.....	48,000
Winneshiek	961	5,170	6,131	.....	6,131
Woodbury	242,500	21,100	263,600	8,000	255,600
Worth	8,400	.....	8,400	.....	8,400
Wright*	.....	.....	.....	.....	.....

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

MINNESOTA.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	8, 295, 196	278, 523	8, 573, 719	97, 655	8, 476, 064
State debt proper	2, 565, 000	.....	2, 565, 000	.....	2, 565, 000
Local debt—					
County debt	798, 727	115, 069	913, 796	12, 384	901, 412
Township debt	612, 426	76, 585	689, 011	7, 210	681, 801
School-district debt	640, 745	50, 727	691, 472	.....	691, 472
City and town debt	3, 678, 298	36, 142	3, 714, 440	78, 061	3, 636, 379
Total	5, 730, 196	278, 523	6, 008, 719	97, 655	5, 911, 064

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the townships, cities, incorporated villages, and school districts that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Aitkin	.....	1, 064	1, 064	.....	1, 064
Anoka	46, 557	2, 446	49, 003	1, 225	47, 778
Becker	17, 519	5, 318	22, 837	1, 800	21, 037
Beltrami*	.....	.....	.....	.....	.....
Benton	20, 880	4, 540	25, 420	4, 000	21, 420
Big Stone	.....	80	80	.....	80
Blue Earth	228, 832	4, 800	233, 632	523	233, 109
Brown	9, 137	1, 288	10, 425	737	9, 688
Carlton	500	2, 400	2, 900	.....	2, 900
Carver	3, 000	3, 444	6, 444	.....	6, 444
Cass	13, 000	208	13, 208	.....	13, 208
Chippewa	25, 030	9, 500	34, 530	.....	34, 530
Chisago	24, 128	1, 145	25, 273	1, 989	23, 284
Clay	47, 700	15, 979	63, 679	2, 590	61, 089
Cottonwood	7, 200	875	8, 075	.....	8, 075
Crow Wing	15, 000	368	15, 368	133	15, 235
Dakota	110, 600	3, 510	114, 110	.....	114, 110
Dodge	2, 000	10, 532	12, 532	.....	12, 532
Douglas	2, 945	510	3, 455	.....	3, 455
Faribault	112, 200	1, 445	113, 645	.....	113, 645
Fillmore	66, 500	793	67, 293	.....	67, 293
Freeborn	143, 797	10, 588	154, 385	.....	154, 385
Goodhue	124, 992	3, 342	128, 334	400	127, 934
Grant	5, 567	337	5, 904	.....	5, 904
Hennepin	1, 316, 170	2, 564	1, 318, 734	67, 233	1, 251, 501
Houston	75, 300	1, 400	76, 700	.....	76, 700
Isanti	4, 419	134	4, 553	.....	4, 553
Itaska*	.....	.....	.....	.....	.....
Jackson	12, 761	6, 174	18, 935	.....	18, 935
Kanabec	300	1, 705	2, 005	.....	2, 005
Kandiyohi	3, 500	15, 673	19, 173	500	18, 673
Kittson	.....	2, 883	2, 883	.....	2, 883
Lac-qui-parle	2, 470	2, 103	4, 573	300	4, 273
Lake*	.....	.....	.....	.....	.....
Le Sueur	73, 150	15, 351	88, 501	.....	88, 501
Lincoln	.....	1, 560	1, 560	.....	1, 560
Lyon	23, 915	1, 375	25, 290	.....	25, 290
McLeod	14, 873	870	15, 743	.....	15, 743
Marshall	5, 000	5, 115	10, 115	.....	10, 115
Martin	7, 978	3, 374	11, 352	.....	11, 352
Meeker	12, 400	275	12, 675	.....	12, 675
Mille Lacs	.....	1, 500	1, 500	.....	1, 500
Morrison	2, 500	1, 243	3, 743	.....	3, 743
Mower	26, 317	4, 958	31, 275	2, 220	29, 055
Murray	9, 175	717	9, 892	.....	9, 892

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—MINNESOTA—Cont'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Nicollet	44,750	486	45,236	.....	45,236
Nobles	38,117	6,583	44,700	.....	44,700
Olmsted	79,105	693	79,798	700	79,098
Otter Tail	27,861	2,522	30,383	.....	30,383
Pine	18,956	4,491	23,447	845	22,602
Pipe Stone	900	3,694	4,594	.....	4,594
Polk	7,416	21,208	28,624	.....	28,624
Pope	13,169	802	13,971	.....	13,971
Ramsey	1,701,311	8,404	1,709,715	.....	1,709,715
Redwood	63,200	815	64,015	.....	64,015
Renville	33,724	29	33,753	.....	33,753
Rice	144,700	1,792	146,492	.....	146,492
Rock	60,983	2,980	63,963	.....	63,963
Saint Louis	91,147	200	91,347	.....	91,347
Scott	41,700	752	42,452	.....	42,452
Sherburne	1,000	.....	1,000	.....	1,000
Sibley	13,800	4,601	18,401	.....	18,401
Stearns	75,793	9,466	85,259	.....	85,259
Steele	3,400	1,092	4,492	.....	4,492
Stevens	20,550	1,888	22,438	.....	22,438
Swift	38,830	2,496	41,326	.....	41,326
Todd	7,050	2,331	9,381	.....	9,381
Traverse*	.....	.....	.....	.....	.....
Wabasha	79,000	2	79,002	.....	79,002
Wadena	4,525	5,893	10,418	.....	10,418
Waseca	65,150	30,634	95,784	.....	95,784
Washington	151,900	3,254	155,154	8,000	147,154
Watonwan	2,500	530	3,030	.....	3,030
Wilkin	8,750	.....	8,750	4,460	4,290
Winona	208,500	5,625	214,125	.....	214,125
Wright	32,275	1,468	33,743	.....	33,743
Yellow Medicine	32,822	306	33,128	.....	33,128

MISSOURI.

Total debt of the State	54,966,001	2,722,941	57,688,942	681,558	57,007,384
State debt proper	16,259,000	.....	16,259,000	.....	16,259,000
Local debt—					
County debt	11,760,493	424,910	12,185,403	112,091	12,073,312
School-district debt	.....	746,784	746,784	.....	746,784
City and town debt	26,946,508	1,551,247	28,497,755	569,467	27,928,288
Total	38,707,001	2,722,941	41,429,942	681,558	40,748,384

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, incorporated villages, and school districts that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Adair	199,000	.....	199,000	.....	199,000
Andrew	.....	500	500	.....	500
Atchison*	.....	.....	.....	.....	.....
Audrain	10,000	10,000	20,000	.....	20,000
Barry	1,000	.....	1,000	.....	1,000
Barton	45,500	.....	45,500	500	45,000
Bates	.....	8,000	8,000	.....	8,000
Benton	165,000	.....	165,000	.....	165,000
Bollinger	.....	1,150	1,150	.....	1,150
Boone	350,500	2,000	352,500	.....	352,500

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—MISSOURI—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Buchanan	1,781,600	745,235	2,526,835	.....	2,526,835
Butler	105,550	13,400	118,950	3,000	115,950
Caldwell	.....	26,200	26,200	.....	26,200
Callaway	503,000	1,432	504,432	.....	504,432
Camden	5,785	4,134	9,919	.....	9,919
Cape Girardeau	137,800	27,454	165,254	.....	165,254
Carroll	.....	22,500	22,500	.....	22,500
Carter	.....	3,530	3,530	.....	3,530
Cass	375,500	29,046	404,546	.....	404,546
Cedar	3,500	.....	3,500	.....	3,500
Chariton	161,100	2,538	163,638	.....	163,638
Christian	.....	5,800	5,800	.....	5,800
Clark	325,000	66,800	391,800	.....	391,800
Clay	227,900	1,200	229,100	14,337	214,763
Clinton	110,000	35,000	145,000	.....	145,000
Cole	194,000	50,000	244,000	.....	244,000
Cooper	285,800	57,979	343,779	.....	343,779
Crawford	30,000	.....	30,000	.....	30,000
Dade	200,000	1,750	201,750	.....	201,750
Dallas	235,000	300	235,300	.....	235,300
Daviess	111,000	15,000	126,000	.....	126,000
De Kalb	1,244	5,631	6,875	.....	6,875
Dent	47,100	9,095	56,195	.....	56,195
Douglas	19,600	3,800	23,400	2,500	20,900
Dunklin	.....	21,500	21,500	.....	21,500
Franklin	365,691	2,832	368,523	1,500	367,023
Gasconade	.....	3,265	3,265	.....	3,265
Gentry	10,000	25,400	35,400	4,000	31,400
Greene	345,700	51,526	397,226	5,807	391,419
Grundy	229,000	229	229,229	14,153	215,076
Harrison	1,000	3,800	4,800	.....	4,800
Henry	474,000	18,600	492,600	8,000	484,600
Hickory	.....	4,800	4,800	.....	4,800
Holt*	.....	.....	.....	.....	.....
Howard	402,100	.....	402,100	921	401,179
Howell	15,200	2,580	17,780	2,310	15,470
Iron	.....	30	30	.....	30
Jackson	2,287,234	33,978	2,321,212	35,003	2,286,209
Jasper	171,000	23,184	194,184	1,700	192,484
Jefferson	127,910	13,219	141,129	353	140,776
Johnson	228,700	55,100	283,800	1,000	282,800
Knox	80,000	1,175	81,175	.....	81,175
Laclede	78,000	33,000	111,000	.....	111,000
La Fayette	731,539	10,628	742,167	.....	742,167
Lawrence	5,500	10,000	15,500	.....	15,500
Lewis	154,200	1,259	155,459	500	154,959
Lincoln	257,000	1,000	258,000	.....	258,000
Linn	18,682	22,119	40,801	.....	40,801
Livingston	129,000	53,000	182,000	.....	182,000
McDonald	3,600	10,111	13,711	.....	13,711
Macon	363,900	.....	363,900	6,000	357,900
Madison	8,250	9,322	17,572	1,627	15,945
Maries	14,550	6,532	21,082	.....	21,082
Marion	279,210	44,692	323,902	.....	323,902
Mercer	163,000	153	163,153	12,000	151,153
Miller	.....	4,500	4,500	.....	4,500
Mississippi	.....	10,000	10,000	.....	10,000
Moniteau*	.....	.....	.....	.....	.....
Monroe	217,600	.....	217,600	410	217,190
Montgomery	11,000	148	11,148	.....	11,148
Morgan	103,000	.....	103,000	.....	103,000
New Madrid	4,700	.....	4,700	.....	4,700
Newton	2,375	17,808	20,183	2,425	17,758
Nodaway*	.....	.....	.....	.....	.....
Oregon	20,000	3,550	23,550	.....	23,550

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—MISSOURI—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Osage	800	1,835	2,635	.....	2,635
Ozark	7,200	2,510	9,710	1,000	8,710
Pemiscot	5,300	1,000	6,300	.....	6,300
Perry	600	1,590	2,190	.....	2,190
Pettis	616,800	75	616,875	.....	616,875
Phelps	24,500	18,157	42,657	.....	42,657
Pike	257,900	3,375	261,275	.....	261,275
Platte	283,200	2,000	285,200	.....	285,200
Polk	33,500	11,500	45,000	.....	45,000
Pulaski	1,500	6,165	7,665	2,000	5,665
Putnam	74,360	13,300	87,660	.....	87,660
Ralls	266,500	4,500	271,000	.....	271,000
Randolph	75,109	8,893	84,002	.....	84,002
Ray	204,512	489	205,001	.....	205,001
Reynolds	.....	3,449	3,449	.....	3,449
Ripley	7,000	6,400	13,400	.....	13,400
Saint Charles	61,194	.....	61,194	14,905	46,289
Saint Clair	450,000	6,275	456,275	.....	456,275
Saint François	.....	493	493	.....	493
Sainte Genevieve	6,000	3,228	9,228	.....	9,228
Saint Louis city	22,507,000	844,867	23,351,867	504,106	22,847,761
Saline	5,000	8,500	13,500	387	13,113
Schuyler	150,000	5,926	155,926	.....	155,926
Scotland	214,600	.....	214,600	.....	214,600
Scott*	.....	.....	.....	.....	.....
Shannon	20,200	2,817	23,017	.....	23,017
Shelby	5,300	23,055	28,355	.....	28,355
Stoddard	32,600	12,164	44,764	5,554	39,210
Stone	.....	8,454	8,454	.....	8,454
Sullivan	154,250	20,000	174,250	.....	174,250
Taney	30,112	7,375	37,487	.....	37,487
Texas	800	1,000	1,800	.....	1,800
Vernon	210,000	16,000	226,000	30,000	196,000
Warren	16,141	.....	16,141	.....	16,141
Washington	.....	250	250	.....	250
Wayne	4,200	7,024	11,224	5,560	5,664
Webster	41,803	19,536	61,339	.....	61,339
Worth	4,900	2,225	7,125	.....	7,125
Wright*	.....	.....	.....	.....	.....

KANSAS.

Total debt of the State	15,407,686	717,997	16,125,683	119,830	16,005,853
State debt proper	1,181,975	.....	1,181,975	94,275	1,087,700
Local debt—					
County debt	7,364,277	591,644	7,955,921	5,000	7,950,921
Township debt	2,316,555	36,158	2,352,713	.....	2,352,713
School-district debt	1,749,357	29,151	1,778,508	.....	1,778,508
City and town debt	2,795,522	61,044	2,856,566	20,555	2,836,011
Total	14,225,711	717,997	14,943,708	25,555	14,918,153

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the townships, cities, and school districts that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Allen	350,379	200	350,579	.....	350,579
Anderson	284,500	.....	284,500	.....	284,500
Atchison	774,340	4,207	778,547	.....	778,547
Barbour	10,700	443	11,143	.....	11,143
Barton	106,037	4,128	110,165	.....	110,165

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—KANSAS—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Bourbon	339,944	.....	339,944	4,046	335,898
Brown	118,250	884	119,134	.....	119,134
Buffalo*	.....	.....	.....	.....	.....
Butler	195,461	.....	195,461	.....	195,461
Chase	59,500	136	59,636	.....	59,636
Chautauqua	56,496	3,235	59,731	.....	59,731
Cherokee	90,737	7,339	98,076	225	97,851
Clay	152,815	2,218	155,033	.....	155,033
Cloud	198,383	15,774	214,157	.....	214,157
Coffey	287,730	.....	287,730	.....	287,730
Comanche*	.....	.....	.....	.....	.....
Cowley	295,280	6,908	302,188	1,500	300,688
Crawford	85,509	.....	85,509	.....	85,509
Davis	139,415	.....	139,415	.....	139,415
Decatur*	.....	.....	.....	.....	.....
Dickinson	125,218	.....	125,218	.....	125,218
Doniphan	408,050	3,407	411,457	.....	411,457
Douglas	1,310,400	375	1,310,775	.....	1,310,775
Edwards	22,065	17,429	39,494	.....	39,494
Elk	117,120	93	117,213	.....	117,213
Ellis	50,097	179	50,276	.....	50,276
Ellsworth	52,870	13,146	66,016	.....	66,016
Foote*	.....	.....	.....	.....	.....
Ford	37,932	24,146	62,078	.....	62,078
Franklin	361,707	.....	361,707	.....	361,707
Gove*	.....	.....	.....	.....	.....
Graham*	.....	.....	.....	.....	.....
Greenwood	256,840	4,600	261,440	.....	261,440
Hamilton*	.....	.....	.....	.....	.....
Harper	.....	8,304	8,304	.....	8,304
Harvey	74,689	11,567	86,256	.....	86,256
Hodgeman	300	1,109	1,409	.....	1,409
Jackson	84,400	2,080	86,480	.....	86,480
Jefferson	110,219	.....	110,219	.....	110,219
Jewell	91,325	3,742	95,067	.....	95,067
Johnson	272,118	.....	272,118	.....	272,118
Kearney*	.....	.....	.....	.....	.....
Kingman	16,525	12,568	29,093	.....	29,093
Labette	438,357	8,934	447,291	.....	447,291
Lane*	.....	.....	.....	.....	.....
Leavenworth	1,290,749	222,809	1,513,558	.....	1,513,558
Lincoln	41,182	14,307	55,489	.....	55,489
Linn	37,017	12,000	49,017	.....	49,017
Lyon	381,329	13,000	394,329	.....	394,329
Marion	188,120	5,860	193,980	.....	193,980
Marshall	187,620	8,740	196,360	470	195,890
McPherson	74,355	6,035	80,390	.....	80,390
Meade*	.....	.....	.....	.....	.....
Miami	381,257	2,543	383,800	.....	383,800
Mitchell	184,084	757	184,841	.....	184,841
Montgomery	426,600	15,610	442,210	.....	442,210
Morris	131,610	260	131,870	.....	131,870
Nemaha	11,900	1,620	13,520	.....	13,520
Neosho	162,069	4,855	166,924	.....	166,924
Ness*	.....	.....	.....	.....	.....
Norton	6,000	10,119	16,119	.....	16,119
Osage	327,540	4,686	332,226	984	331,242
Osborne	60,511	18,110	78,621	.....	78,621
Ottawa	153,975	1,506	155,481	.....	155,481
Pawnee	45,293	2,294	47,587	.....	47,587
Phillips	45,431	23,126	68,557	.....	68,557
Pottawatomie	161,277	829	162,106	.....	162,106
Pratt	.....	13,054	13,054	.....	13,054
Rawlins*	.....	.....	.....	.....	.....
Reno	193,490	35,983	229,473	.....	229,473

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—KANSAS—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Republic	67, 254	.....	67, 254	.....	67, 254
Rice	114, 874	221	115, 095	.....	115, 095
Riley	144, 420	.....	144, 420	.....	144, 420
Rooks	33, 500	1, 500	35, 000	.....	35, 000
Rush	19, 471	9, 227	28, 698	.....	28, 698
Russell	23, 300	6, 280	29, 580	.....	29, 580
Saline	142, 445	4, 480	146, 925	1, 179	145, 746
Sedgwick	300, 750	65, 472	366, 222	.....	366, 222
Sequoyah*	.....	.....	.....	.....	.....
Shawnee	570, 700	.....	570, 700	12, 151	558, 549
Sheridan*	.....	.....	.....	.....	.....
Smith	34, 903	10, 522	45, 425	.....	45, 425
Stafford	131	7, 081	7, 212	.....	7, 212
Sumner	202, 069	9, 395	211, 464	.....	211, 464
Trego	.....	6, 570	6, 570	.....	6, 570
Wabaunsee	27, 894	728	28, 622	.....	28, 622
Wallace*	.....	.....	.....	.....	.....
Washington	144, 355	.....	144, 355	.....	144, 355
Wilson	171, 357	4, 530	175, 887	.....	175, 887
Woodson	29, 100	5, 217	34, 317	.....	34, 317
Wyandotte	332, 071	11, 520	343, 591	5, 000	338, 591

NEBRASKA.

Total debt of the State	6, 114, 836	1, 573, 553	7, 688, 389	262, 632	7, 425, 757
State debt proper	499, 267	.....	499, 267	123, 685	375, 582
Local debt—					
County debt	4, 576, 069	630, 739	5, 206, 808	86, 446	5, 120, 362
Precinct debt	397, 500	.....	397, 500	.....	397, 500
School-district debt	.....	827, 641	827, 641	.....	827, 641
City and town debt	642, 000	115, 173	757, 173	52, 501	704, 672
Total	5, 615, 569	1, 573, 553	7, 189, 122	138, 947	7, 050, 175

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the precincts, towns, cities, incorporated villages, and school districts that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Adams	28, 750	129, 231	157, 981	750	157, 231
Antelope	32, 000	18, 679	50, 679	.....	50, 679
Boone	35, 600	42, 393	77, 993	15, 060	62, 993
Buffalo	164, 800	40, 916	205, 716	.....	205, 716
Burt	110, 000	11, 022	121, 022	.....	121, 022
Butler	212, 000	5, 913	217, 913	.....	217, 913
Cass	160, 500	31, 050	191, 550	.....	191, 550
Cedar	.....	2, 720	2, 720	.....	2, 720
Cheyenne	.....	18, 779	18, 779	.....	18, 779
Clay	4, 500	22, 473	26, 973	.....	26, 973
Colfax	128, 500	8, 147	136, 647	.....	136, 647
Cuming	160, 000	16, 237	176, 237	6, 064	170, 173
Custer	.....	236	236	.....	236
Dakota	95, 000	17, 024	112, 024	1, 000	111, 024
Dawson	81, 000	10, 104	91, 104	18, 000	73, 104
Dixon	89, 569	10, 614	100, 183	1, 565	98, 618
Dodge	189, 400	7, 959	197, 359	.....	197, 359
Douglas	687, 950	196, 469	884, 419	50, 372	834, 047
Fillmore	3, 500	26, 144	29, 644	.....	29, 644
Franklin	32, 000	49, 796	81, 796	.....	81, 796

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—NEBRASKA—Continued.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Frontier		400	400		400
Furnas	12,900	15,483	28,383	1,246	27,137
Gage	107,000	22,967	129,967	3,000	126,967
Gosper		5,910	5,910		5,910
Greeley		36,626	36,626		36,626
Hall	125,000	42,368	167,368	12,744	154,624
Hamilton	118,200	7,804	126,004		126,004
Harlan	6,650	33,877	40,527		40,527
Hitchcock		5,614	5,614		5,614
Holt		5,850	5,850		5,850
Howard	39,000	24,429	63,429	2,000	61,429
Jefferson	6,000	16,101	22,101		22,101
Johnson	102,000	18,467	120,467	6,965	113,502
Kearney	79,000	16,991	95,991	8,608	87,383
Keith*					
Knox		9,081	9,081		9,081
Lancaster	712,785	75,001	787,786		787,786
Lincoln	47,000	10,275	57,275		57,275
Madison	26,200	24,043	50,243	1,000	49,243
Merrick	94,500	31,184	125,684		125,684
Nance		51	51		51
Nemaha	216,365	45,742	262,107		262,107
Nuckolls		5,218	5,218		5,218
Otoe	415,000	9,113	424,113		424,113
Pawnee	75,000	20,878	95,878		95,878
Phelps		36,334	36,334		36,334
Pierce		1,375	1,375		1,375
Platte	183,750	50,552	234,302	9,346	224,956
Polk	70,000	14,085	84,085		84,085
Red Willow		7,566	7,556		7,566
Richardson	189,100	62,606	251,706		251,706
Saline	6,050	25,112	31,162		31,162
Sarpy	11,600	8,774	20,374	487	19,887
Saunders	187,000	22,725	209,725		209,725
Seward	134,000	45,405	179,405		179,405
Sherman	53,400	40,303	93,703		93,703
Sioux*					
Stanton	40,000	613	40,613		40,613
Thayer		14,180	14,180		14,180
Valley	38,000	17,294	55,294	800	54,494
Washington	225,000	11,825	236,825		236,825
Wayne	17,000	2,263	19,263		19,263
Webster	63,000	47,347	110,347		110,347
Wheeler*					
York		15,815	15,815		15,815

COLORADO.

Total debt of the State	2,159,100	1,435,196	3,594,296		3,594,296
State debt proper		212,814	212,814		212,814
Local debt—					
County debt	1,800,950	691,491	2,492,441		2,492,441
School-district debt		328,468	328,468		328,468
City and town debt	358,150	202,423	560,573		560,573
Total	2,159,100	1,222,382	3,381,482		3,381,482

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, and school districts that lie within it, but not including any portion of the state debt proper.

COUNTIES.					
Arapahoe	742,050	128,000	870,050		870,050
Boulder	257,500	32,078	289,578		289,578
Bent	57,000	5,000	62,000		62,000
Chaffee		34,127	34,127		34,127
Clear Creek	3,000	46,891	49,891		49,891

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—COLORADO—Cont'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Conejos	.....	800	800	.....	800
Costilla	.....	7,000	7,000	.....	7,000
Custer	.....	40,121	40,121	.....	40,121
Douglas	.....	3,500	3,500	.....	3,500
Elbert	.....	104	104	.....	104
El Paso	78,000	34,300	112,300	.....	112,300
Fremont	.....	29,639	29,639	.....	29,639
Gilpin	116,650	17,435	134,085	.....	134,085
Grand	.....	1,000	1,000	.....	1,000
Gunnison	26,000	2,000	28,000	.....	28,000
Hinsdale	.....	22,000	22,000	.....	22,000
Huerfano	3,000	7,951	10,951	.....	10,951
Jefferson	146,900	79,889	226,789	.....	226,789
Lake	26,750	325,148	351,898	.....	351,898
La Plata	.....	23,315	23,315	.....	23,315
Larimer	.....	13,300	13,300	.....	13,300
Las Animas	101,950	15,000	116,950	.....	116,950
Ouray	.....	1,075	1,075	.....	1,075
Park	12,300	1,000	13,300	.....	13,300
Pueblo	572,000	173,760	745,760	.....	745,760
Rio Grande	16,000	59,067	75,067	.....	75,067
Routt	.....	24,467	24,467	.....	24,467
Saguache	.....	8,765	8,765	.....	8,765
San Juan	.....	50,000	50,000	.....	50,000
Summit	.....	15,950	15,950	.....	15,950
Weld	.....	19,700	19,700	.....	19,700

NEVADA.

Total debt of the State	863,025	236,894	1,099,919	75,396	1,024,523
State debt proper	56,400	18,996	75,396	*a* 75,396	.....
Local debt—					
County debt	674,625	216,392	891,017	.....	891,017
School-district debt	.....	1,506	1,506	.....	1,506
City and town debt	132,000	.....	132,000	.....	132,000
Total	806,625	217,898	1,024,523	.....	1,024,523

a The state of Nevada has in its treasury $312,372 applicable to the payment of state debt.

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the cities, incorporated villages, and school districts that lie within it, but not including any portion of the state debt proper.

COUNTIES.					
Churchill	527	843	1,370	.....	1,370
Douglas	.....	1,015	1,015	.....	1,015
Elko	67,000	.....	67,000	.....	67,000
Esmeralda	10,000	22,915	32,915	.....	32,915
Eureka	40,000	2,581	42,581	.....	42,581
Humboldt	52,000	40,040	92,040	.....	92,040
Lander	66,000	.....	66,000	.....	66,000
Lincoln	223,198	26,852	250,050	.....	250,050
Lyon	.....	7,383	7,383	.....	7,383
Nye	19,000	35,010	54,010	.....	54,010
Ormsby	113,000	.....	113,000	.....	113,000
Storey	112,000	.....	112,000	.....	112,000
Washoe	31,000	7,584	38,584	.....	38,584
White Pine	72,900	73,675	146,575	.....	146,575

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

OREGON.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the State	459,008	389,494	848,502	.....	848,502
State debt proper	356,508	154,868	511,376	.....	511,376
Local debt—					
County debt	16,000	195,767	211,767	.....	211,767
School-district debt	.....	26,585	26,585	.....	26,585
City and town debt	86,500	12,274	98,774	.....	98,774
Total	102,500	234,626	337,126	.....	337,126

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of the county, including the debts of the towns, cities, and school districts that lie within it, but not including any portion of the state debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Baker	.....	27,289	27,289	.....	27,289
Benton	.....	1,112	1,112	.....	1,112
Clackamas	.....	14,934	14,934	.....	14,934
Clatsop	10,000	17,112	27,112	.....	27,112
Columbia	.....	801	801	.....	801
Coos	.....	6,518	6,518	.....	6,518
Curry	.....	5,925	5,925	.....	5,925
Douglas	.....	4,394	4,394	.....	4,394
Grant	.....	16,213	16,213	.....	16,213
Jackson	.....	10,481	10,481	.....	10,481
Josephine	.....	4,276	4,276	.....	4,276
Lake	.....	395	395	.....	395
Lane*	.....	.....	.....	.....	.....
Linn	16,000	750	16,750	.....	16,750
Marion	.....	11,561	11,561	.....	11,561
Multnomah	76,500	46,300	122,800	.....	122,800
Polk*	.....	.....	.....	.....	.....
Tillamook	.....	3,585	3,585	.....	3,585
Umatilla	.....	15,990	15,990	.....	15,990
Union	.....	27,026	27,026	.....	27,026
Wasco	.....	11,264	11,264	.....	11,264
Washington	.....	3,600	3,600	.....	3,600
Yam Hill	.....	5,100	5,100	.....	5,100

CALIFORNIA.

Total debt of the State	16,349,879	2,333,910	18,683,789	1,928,101	16,755,688
State debt proper	3,403,000	.....	3,403,000	96,386	3,306,614
Local debt—					
County debt	5,493,514	1,818,975	7,312,489	.....	7,312,489
School-district debt	.....	377,963	377,963	.....	377,963
City and town debt	7,453,365	136,972	7,590,337	1,831,715	5,758,622
Total	12,946,879	2,333,910	15,280,789	1,831,715	13,449,074

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—CALIFORNIA—Cont'd.

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, incorporated villages, and school districts that lie within it, but not including any portion of the state debt proper.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Alameda	958, 724	258, 224	1, 216, 948	.....	1, 216, 948
Alpine	.....	22, 470	22, 470	.....	22, 470
Amador	.....	76, 504	76, 504	.....	76, 504
Butte	117, 310	30, 250	147, 560	.....	147, 560
Calaveras	88, 275	63, 527	151, 802	.....	151, 802
Colusa	49, 500	4, 536	54, 036	.....	54, 036
Contra Costa	.....	94, 847	94, 847	.....	94, 847
Del Norte	.....	7, 556	7, 556	.....	7, 556
El Dorado	120, 000	93, 916	213, 916	.....	213, 916
Fresno	39, 000	311	39, 311	.....	39, 311
Humboldt	21, 099	133, 211	154, 310	.....	154, 310
Inyo	28, 500	54, 088	82, 588	.....	82, 588
Kern	65, 000	40, 519	105, 519	.....	105, 519
Lake	57, 400	24, 717	82, 117	.....	82, 117
Lassen	19, 230	.....	19, 230	.....	19, 230
Los Angeles	962, 550	41, 038	1, 003, 588	.....	1, 003, 588
Marin	317, 000	37, 806	354, 806	.....	354, 806
Mariposa	.....	26, 162	26, 162	.....	26, 162
Mendocino	132, 095	30, 142	162, 237	.....	162, 237
Merced	75, 000	81, 822	156, 822	.....	156, 822
Modoc	10, 500	3, 579	14, 079	.....	14, 079
Mono	20, 000	23, 900	43, 900	.....	43, 900
Monterey	98, 000	50, 087	148, 087	.....	148, 087
Napa	294, 000	72, 520	366, 520	.....	366, 520
Nevada	.....	41, 868	41, 868	.....	41, 868
Placer	.....	807	807	.....	807
Plumas	51, 850	11, 219	63, 069	.....	63, 069
Sacramento	2, 236, 800	22, 743	2, 259, 543	711, 000	1, 548, 543
San Benito	31, 000	8, 721	39, 721	.....	39, 721
San Bernardino	.....	27, 004	27, 004	.....	27, 004
San Diego	208, 090	79, 775	287, 865	.....	287, 865
San Francisco	4, 161, 500	18, 500	4, 180, 000	1, 120, 715	3, 059, 285
San Joaquin	680, 115	2, 543	682, 658	.....	682, 658
San Luis Obispo	182, 000	27, 135	209, 135	.....	209, 135
San Mateo	115, 000	46, 713	161, 713	.....	161, 713
Santa Barbara	73, 200	39, 126	112, 326	.....	112, 326
Santa Clara	371, 316	47, 767	419, 083	.....	419, 083
Santa Cruz	203, 300	43, 821	247, 121	.....	247, 121
Shasta	.....	84, 034	84, 034	.....	84, 034
Sierra	8, 625	14, 804	23, 429	.....	23, 429
Siskiyou	55, 600	1, 454	57, 054	.....	57, 054
Solano	195, 350	109, 216	304, 566	.....	304, 566
Sonoma	360, 050	7, 000	367, 050	.....	367, 050
Stanislaus	55, 000	15, 412	70, 412	.....	70, 412
Sutter	17, 500	12, 398	29, 898	.....	29, 898
Tehama	67, 000	58, 805	125, 805	.....	125, 805
Trinity	.....	109, 383	109, 383	.....	109, 383
Tulare	106, 000	57, 916	163, 916	.....	163, 916
Tuolumne	.....	29, 122	29, 122	.....	29, 122
Ventura	38, 000	5, 140	43, 140	.....	43, 140
Yolo	.....	102, 190	102, 190	.....	102, 190
Yuba	256, 400	37, 562	293, 962	.....	293, 962

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—Continued.

THE TERRITORIES.

ARIZONA TERRITORY.

	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Total debt of the Territory	188,200	189,301	377,501	.....	377,501
Territorial debt proper	.....	.....	.....	.....	.....
Local debt—					
County debt	165,200	188,017	353,217	.....	353,217
School-district debt	13,000	.....	13,000	.....	13,000
City and town debt	10,000	1,284	11,284	.....	11,284
Total	188,200	189,301	377,501	.....	377,501

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, and school districts that lie within it, but not including any portion of the territorial debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Apache*	.....	.....	.....	.....	.....
Maricopa	25,000	51,394	76,394	.....	76,394
Mohave	5,500	17,753	23,253	.....	23,253
Pima	10,000	55,284	65,284	.....	65,284
Pinal*	.....	.....	.....	.....	.....
Yavapai	87,700	64,870	152,570	.....	152,570
Yuma	60,000	.....	60,000	.....	60,000

DAKOTA TERRITORY.

Total debt of the Territory	827,823	184,842	1,012,665	13,805	998,860
Territorial debt proper	.....	.....	.....	.....	.....
Local debt—					
County debt	803,983	171,392	975,375	13,805	961,570
School-district debt	.....	.....	.....	.....	.....
City and town debt	23,840	13,450	37,290	.....	37,290
Total	827,823	184,842	1,012,665	13,805	998,860

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it, but not including any portion of the territorial debt proper. No statement of school district indebtedness was received. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Barnes*	.....	.....	.....	.....	.....
Bonhomme	33,200	6,051	39,251	50	39,201
Brookings	2,500	1,000	3,500	.....	3,500
Brulé	.....	900	900	.....	900
Burleigh	66,000	4,500	70,500	.....	70,500
Cass	11,250	15,866	27,116	5,950	21,166
Charles Mix*	.....	.....	.....	.....	.....
Clay	2,750	200	2,950	1,132	1,818
Codington	.....	2,000	2,000	.....	2,000
Custer	4,450	5,978	10,428	.....	10,428
Davison	.....	4,000	4,000	.....	4,000
Deuel	.....	2,209	2,209	.....	2,209
Grand Forks	12,600	.....	12,600	.....	12,600
Grant	.....	2,500	2,500	.....	2,500
Hamlin	.....	2,160	2,160	.....	2,160

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—DAKOTA TER.—Cont'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Hanson	.....	2,072	2,072	.....	2,072
Hutchinson	4,183	2,000	6,183	.....	6,183
Kingsbury	.....	1,742	1,742	.....	1,742
Lake	.....	1,700	1,700	.....	1,700
Lawrence	375,000	82,000	457,000	.....	457,000
Lincoln	12,700	12,004	24,704	2,790	21,914
McCook*	.....	.....	.....	.....	.....
Minnehaha	7,950	.....	7,950	2,300	5,650
Moody	16,000	.....	16,000	900	15,100
Pembina	.....	18,853	18,853	.....	18,853
Pennington	18,450	7,000	25,450	.....	25,450
Richland	6,500	.....	6,500	.....	6,500
Spink*	.....	.....	.....	.....	.....
Stutsman	.....	2,107	2,107	.....	2,107
Traill*	.....	.....	.....	.....	.....
Turner	900	3,000	3,900	.....	3,900
Union	16,500	5,000	21,500	683	20,817
Yankton	236,890	.....	236,890	.....	236,890

IDAHO TERRITORY.

Total debt of the Territory	71,749	163,570	235,319	.....	235,319
Territorial debt proper	69,249	19,132	88,381	.....	88,381
Local debt—					
County debt	.....	143,742	143,742	.....	143,742
School-district debt	.....	696	696	.....	696
City and town debt	2,500	.....	2,500	.....	2,500
Total	2,500	144,438	146,938	.....	146,938

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns, cities, and school districts that lie within it, but not including any portion of the territorial debt proper. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Ada	2,500	40,103	42,603	.....	42,603
Alturas	.....	48,000	48,000	.....	48,000
Bear Lake	.....	1,580	1,580	.....	1,580
Boisé*	.....	.....	.....	.....	.....
Cassia	.....	10,090	10,090	.....	10,090
Idaho	.....	15,452	15,452	.....	15,452
Lemhi	.....	5,351	5,351	.....	5,351
Nez Percé	.....	19,957	19,957	.....	19,957
Oneida*	.....	.....	.....	.....	.....
Owyhee*	.....	.....	.....	.....	.....
Shoshone	.....	3,905	3,905	.....	3,905
Washington*	.....	.....	.....	.....	.....

MONTANA TERRITORY.

Total debt of the Territory	400,100	387,741	787,841	27,916	759,925
Territorial debt proper	70,000	3,677	73,677	9,000	64,677
Local debt—					
County debt	330,100	348,512	678,612	18,916	659,696
School-district debt	.....	35,552	35,552	.....	35,552
City and town debt	.....	.....	.....	.....	.....
Total	330,100	384,064	714,164	18,916	695,248

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—MONTANA TER.—Cont'd.

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the school districts that lie within it, but not including any portion of the territorial debt proper. There are no incorporated towns, and but two cities in Montana, and these have no indebtedness.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Beaver Head	23,400	11,818	35,218	.....	35,218
Choteau	.....	26,282	26,282	.....	26,282
Custer	.....	53,000	53,000	.....	53,000
Deer Lodge	.....	69,705	69,705	.....	69,705
Gallatin	58,500	21,200	79,700	5,800	73,900
Jefferson	38,000	26,361	64,361	2,810	61,551
Lewis and Clarke	72,000	93,674	165,674	.....	165,674
Madison	79,000	11,645	90,645	7,900	82,745
Meagher	26,400	1,503	27,903	1,323	26,580
Missoula	32,800	68,876	101,676	1,083	100,593

NEW MEXICO TERRITORY.

Total debt of the Territory	46,179	38,693	84,872	.....	84,872
Territorial debt proper	.....	.....	.....	.....	.....
Local debt—					
County debt	46,179	38,693	84,872	.....	84,872
Total	46,179	38,693	84,872	.....	84,872

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the debt of the county proper, and includes no portion of the territorial debt proper. There are no incorporated towns or cities in New Mexico. In counties marked with an asterisk (*) there has been no indebtedness returned to this office.

COUNTIES.					
Bernalillo*	.....	.....	.....	.....	.....
Colfax	.....	9 051	9,051	.....	9,051
Doña Aña	.....	4,500	4,500	.....	4,500
Grant	.....	4,000	4,000	.....	4,000
Lincoln*	.....	.....	.....	.....	.....
Mora	.....	2,822	2,822	.....	2,822
Rio Arriba	.....	7,820	7,820	.....	7,820
San Miguel	35,579	.....	35,579	.....	35,579
Santa Fé	5,000	.....	5,000	.....	5,000
Socorro	.....	7,000	7,000	.....	7,000
Taos	1,600	.....	1,600	.....	1,600
Valencia	4,000	3,500	7,500	.....	7,500

UTAH TERRITORY.

Total debt of the Territory	.....	116,251	116,251	.....	116,251
Territorial debt proper	.....	9,120	9,120	.....	9,120
Local debt—					
County debt	.....	15,132	15,132	.....	15,132
School-district debt	.....	.....	.....	.....	.....
City and town debt	.....	91,999	91,999	.....	91,999
Total	.....	107,131	107,131	.....	107,131

TABLE CXXX.—*Debts of states, territories, counties, cities, etc.*—UTAH TER.—Cont'd.

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it, but not including any portion of the territorial debt proper. The school districts in Utah have no indebtedness. In counties marked with an asterisk (*) there has been no indebtedness reported.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Beaver*					
Box Elder*					
Cache		10,600	10,600		10,600
Davis*					
Iron*					
Juab		41	41		41
Kane*					
Millard		182	182		182
Morgan*					
Pi Ute*					
Rich		295	295		295
Salt Lake		67,000	67,000		67,000
Sanpete		119	119		119
Sevier*					
Summit		4,720	4,720		4,720
Tooele		1,300	1,300		1,300
Utah		4,712	4,712		4,712
Wasatch*					
Washington		10,937	10,937		10,937
Weber		7,225	7,225		7,225

WASHINGTON TERRITORY.

Total debt of the Territory	75,000	164,311	239,311		239,311
Territorial debt proper					
Local debt—					
County debt	75,000	129,384	204,384		204,384
School-district debt					
City and town debt		34,927	34,927		34,927
Total	75,000	164,311	239,311		239,311

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns and cities that lie within it. There is no territorial debt proper. No statement of school district indebtedness was received. Hon. J. S. Houghton, superintendent of public instruction, reports that debts of this character exist only in the counties of King, Klikitat, Thurston, Walla Walla, Columbia, Spokane, and possibly Clarke. In counties marked with an asterisk (*) there has been no indebtedness reported.

COUNTIES.					
Chehalis		3,595	3,595		3,595
Clallam		1,600	1,600		1,600
Clarke		4,988	4,988		4,988
Columbia		9,918	9,918		9,918
Cowlitz*					
Island		385	385		385
Jefferson		2,497	2,497		2,497
Kitsap		4,720	4,720		4,720
King		41,496	41,496		41,496
Klikitat		3,889	3,889		3,889
Lewis		17,000	17,000		17,000
Mason		5,000	5,000		5,000
Pacific		200	200		200
Pierce		6,451	6,451		6,451
San Juan*					

TABLE CXXX.—*Debts of states, territories, counties, etc.*—WASHINGTON TER.—C'd.

Counties.	Bonded debt.	Floating debt.	Gross debt.	Sinking fund.	Net debt.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Skamania *	.....	.....	.....	.....	.....
Snohomish	.....	16,272	16,272	.....	16,272
Spokane *	.....	.....	.....	.....	.....
Stevens	.....	1,081	1,081	.....	1,081
Thurston	75,000	3,967	78,967	.....	78,967
Wahkiakum *	.....	.....	.....	.....	.....
Walla Walla	.....	9,612	9,612	.....	9,612
Whatcom	.....	4,000	4,000	.....	4,000
Whitman	.....	2,640	2,640	.....	2,640
Yakima	.....	25,000	25,000	.....	25,000

WYOMING TERRITORY.

Total debt of the Territory	47,000	158,462	205,462	.....	205,462
Territorial debt proper	.....	17,000	17,000	.....	17,000
Local debt—					
County debt	32,600	136,777	169,377	.....	169,377
School-district debt	.....	.....	.....	.....	.....
City and town debt	14,400	4,685	19,085	.....	19,085
Total	47,000	141,462	188,462	.....	188,462

LOCAL DEBT BY COUNTIES.

NOTE.—The sum set against each county is the total public debt of that county, including the debts of the towns that lie within it, but not including any portion of the territorial debt proper. No statement of school district indebtedness was received.

COUNTIES.					
Albany	29,000	30,685	59,685	.....	59,685
Carbon	.....	4,628	4,628	.....	4,628
Laramie	18,000	.....	18,000	.....	18,000
Sweetwater	.....	64,409	64,409	.....	64,409
Uinta	.....	41,740	41,740	.....	41,740

NEWSPAPERS AND PERIODICALS.

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TABLE CXXXI.—*Statement showing the total number of newspapers and periodicals published in the United States during the census year, by periods of issue.*

States and Territories.	Total number of periodicals.	Periods of issue.												Aggregate circulation per issue.	
		Number published daily.			Number published weekly.	Number published semi-weekly.	Number published tri-weekly.	Number published bi-weekly.	Number published monthly.	Number published semi-monthly.	Number published tri-monthly.	Number published bi-monthly.	Number published quarterly.	Number published semi-annually.	Dailies.	Weeklies and all others.
		Morning.	Evening.	Total.												
United States	11,314	438	533	971	8,633	133	73	40	1,167	160	2	13	116	6	3,566,395	28,213,291
Alabama	125	3	3	6	109	....	1	....	7	2	....	....	....	....	9,660	83,413
Arizona	17	3	3	6	11	....	....	....	....	....	....	....	....	....	3,600	9,950
Arkansas	117	2	4	6	104	1	....	....	2	4	....	....	....	....	5,030	98,471
California	361	30	28	58	250	11	2	....	32	6	....	....	2	....	157,814	482,212
Colorado	87	12	7	19	63	1	....	....	4	....	....	....	....	....	26,375	69,369
Connecticut	139	7	10	17	99	2	....	....	15	2	1	1	2	....	47,490	190,170
Dakota	67	4	5	9	57	1	....	....	....	....	....	....	....	....	4,500	32,443
Delaware	26	2	3	5	20	....	....	....	1	....	....	....	....	....	15,800	18,623
Dist. of Columbia	44	3	2	5	23	....	....	....	15	....	....	....	1	....	36,500	177,423
Florida	45	3	....	3	40	2	....	....	....	....	....	....	....	....	2,600	24,733
Georgia	200	11	5	16	163	3	4	....	11	3	....	....	....	....	27,830	241,236
Idaho	10	....	....	....	7	2	1	....	....	....	....	....	....	....	.....	5,650
Illinois	1,017	30	44	74	758	17	6	3	118	18	1	....	21	1	270,923	2,150,352
Indiana	467	12	28	40	390	1	3	1	27	5	....	....	....	....	72,698	588,413
Indian Territory	3	....	....	....	3	....	....	....	....	....	....	....	....	....	.....	4,060
Iowa	569	12	18	30	500	3	1	2	31	1	....	....	1	....	38,455	508,883
Kansas	347	8	12	20	310	1	....	....	15	1	....	....	....	....	21,396	259,337
Kentucky	205	7	4	11	160	7	2	....	23	2	....	....	....	....	33,492	364,072
Louisiana	112	8	5	13	94	1	1	1	2	....	....	....	....	....	38,065	93,563
Maine	123	4	8	12	90	....	1	1	18	....	....	....	1	....	18,940	1,195,520
Maryland	143	10	5	15	111	....	....	....	12	4	....	....	1	....	132,613	282,080
Massachusetts	427	16	23	39	279	13	1	7	80	1	....	....	7	....	280,399	1,732,530
Michigan	464	13	20	33	397	3	3	2	19	4	....	1	1	1	62,839	558,133
Minnesota	223	4	6	10	205	....	1	....	6	1	....	....	....	....	28,493	193,587
Mississippi	123	3	2	5	109	1	5	....	3	....	....	....	....	....	4,200	83,704
Missouri	530	22	21	43	415	2	8	1	50	8	....	2	1	....	122,660	842,625
Montana	18	4	....	4	14	....	....	....	....	....	....	....	....	....	912	19,917
Nebraska	189	5	10	15	165	1	....	....	7	1	....	....	....	....	18,630	135,940
Nevada	37	5	9	14	22	....	....	....	1	....	....	....	....	....	17,155	10,590
New Hampshire	87	2	8	10	66	....	....	1	7	3	....	....	....	....	9,070	176,898
New Jersey	215	8	19	27	163	6	1	2	13	....	....	1	2	....	50,776	198,703
New Mexico	18	2	1	3	15	....	....	....	....	....	....	....	....	....	2,000	4,355
New York	1,411	46	69	115	892	24	5	10	282	35	....	5	40	3	996,561	8,377,573
North Carolina	142	7	6	13	113	3	2	....	7	4	....	....	....	....	7,934	97,567
Ohio	774	22	34	56	584	4	8	3	90	18	....	....	11	....	216,336	2,877,593
Oregon	74	4	3	7	59	....	....	....	6	1	....	....	1	....	11,070	74,710
Pennsylvania	973	42	56	98	674	3	4	1	159	16	....	1	16	1	578,227	4,452,834
Rhode Island	44	2	6	8	31	1	....	1	3	....	....	....	....	....	41,402	55,719
South Carolina	81	3	1	4	69	1	3	....	3	....	....	....	1	....	7,750	62,153
Tennessee	193	7	5	12	154	2	....	....	16	6	....	1	2	....	30,995	262,293
Texas	280	14	16	30	231	2	1	....	14	2	....	....	....	....	30,297	232,999
Utah	22	2	3	5	8	4	....	....	4	1	....	....	....	....	7,950	28,222
Vermont	82	2	3	5	72	....	....	....	3	1	....	....	1	....	4,200	125,999
Virginia	194	15	5	20	124	6	5	....	33	2	....	1	3	....	32,172	224,299
Washington	29	4	....	4	23	....	....	....	2	....	....	....	....	....	1,100	15,650
West Virginia	109	2	....	2	96	2	1	1	6	....	....	....	1	....	4,100	81,855
Wisconsin	340	9	12	21	283	2	3	3	20	8	....	....	....	....	33,400	403,170
Wyoming	11	2	1	3	8	....	....	....	....	....	....	....	....	....	1,986	3,700

TABLE CXXXII.—*Statement showing the classification of newspapers and periodicals published in the United States during the census year.*

States and Territories.	Total.	CHARACTER OF PUBLICATION.													
		Number devoted to news, politics, and family reading.	Number religious.	Number agricultural, horticultural, etc.	Number commerce and trade.	Number financial.	Number insurance and railroads.	Number general literature, including magazines.	Number medicine and surgery.	Number law.	Number science and mechanics, including mining journals.	Number free-masonry, odd-fellowship, temperance, etc.	Number educational, including college and school publications.	Number children's periodicals, including Sunday-school papers.	Number miscellaneous.	Number Sunday newspapers, and included in preceding columns.
The United States..	11,314	8,863	553	173	284	25	54	189	114	45	68	149	248	219	330	252
Alabama	125	114	5	2	....	....	....	....	....	1	....	....	3	....	....	2
Arizona	17	17	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Arkansas	117	106	5	2	....	....	....	1	1	....	1	....	....	....	1	1
California	361	270	12	7	17	8	2	4	3	3	3	7	6	....	19	8
Colorado	87	78	2	1	1	....	....	....	....	....	2	1	1	....	1	1
Connecticut	139	110	3	4	....	....	....	2	1	....	1	5	11	....	2	5
Dakota	67	67	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Delaware	26	24	1	....	....	....	....	....	....	....	....	....	1	....	....	1
District of Columbia	44	20	....	....	2	....	....	2	1	2	1	3	2	....	11	6
Florida	45	41	....	2	1	....	....	1	....	....	....	....	....	....	....	....
Georgia	200	177	7	4	....	....	....	2	3	....	....	1	....	5	1	7
Idaho	10	10	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Illinois	1,017	736	49	15	55	1	10	9	8	5	5	13	19	47	45	13
Indiana	467	422	13	7	2	....	1	....	2	....	2	6	9	....	3	12
Indian Territory	3	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Iowa	569	519	15	4	....	....	....	2	....	1	1	7	15	....	5	1
Kansas	347	322	4	5	....	....	....	2	1	....	....	3	3	1	6	2
Kentucky	205	162	13	6	4	....	....	3	4	....	....	2	5	5	1	4
Louisiana	112	96	7	1	1	....	....	....	1	....	....	1	1	....	4	4
Maine	123	91	9	4	1	....	....	8	....	....	2	2	3	....	3	2
Maryland	143	105	10	5	3	....	2	3	2	1	1	3	4	....	4	7
Massachusetts	427	281	30	6	14	1	4	20	2	2	5	6	15	14	27	6
Michigan	464	413	11	5	3	....	....	1	7	....	2	5	9	4	4	9
Minnesota	222	207	3	3	2	....	....	....	....	....	....	2	2	1	3	4
Mississippi	123	115	4	3	....	....	....	....	....	....	....	....	1	....	....	....
Missouri	530	425	28	7	14	....	3	5	8	3	2	9	11	....	15	9
Montana	18	17	....	1	....	....	....	....	....	....	....	....	....	....	....	1
Nebraska	189	178	2	3	1	....	....	2	....	....	....	....	2	1	....	....
Nevada	37	35	....	....	....	....	....	....	....	....	2	....	....	....	....	....
New Hampshire	87	74	3	1	....	....	....	5	....	....	....	1	1	1	1	....
New Jersey	215	194	3	1	2	....	....	3	1	1	1	4	4	....	1	3
New Mexico	18	17	1	....	....	....	....	....	....	....	....	....	....	....	....	....
New York	1,411	816	97	29	98	12	15	77	38	6	28	16	35	39	105	50
North Carolina	142	118	12	4	....	....	2	2	1	....	....	2	1	....	....	....
Ohio	774	576	57	12	21	....	3	2	11	4	4	12	19	37	16	26
Oregon	74	60	5	1	1	....	1	2	1	....	....	....	2	....	1	4
Pennsylvania	973	675	75	13	29	3	9	18	13	13	3	15	23	50	34	36
Rhode Island	44	39	....	....	....	....	....	....	....	....	....	3	2	....	....	4
South Carolina	81	68	10	....	....	....	....	....	....	....	....	2	1	....	....	2
Tennessee	193	147	14	....	3	....	1	5	3	....	....	4	9	6	1	2
Texas	280	254	14	2	2	....	....	2	....	1	....	2	1	....	2	5
Utah	22	15	4	1	....	....	....	....	....	....	....	....	....	1	1	....
Vermont	82	74	3	2	....	....	....	1	....	....	....	....	2	....	....	2
Virginia	194	135	11	6	2	....	1	2	2	2	1	4	15	6	7	4
Washington	29	28	1	....	....	....	....	....	....	....	....	....	....	....	....	....
West Virginia	109	100	3	....	....	....	....	1	....	....	....	1	2	....	2	2
Wisconsin	340	301	7	4	5	....	....	2	....	....	1	7	8	1	4	6
Wyoming	11	11	....	....	....	....	....	....	....	....	....	....	....	....	....	....

TABLE CXXXIII.—*Statement showing the number and language of all newspapers and periodicals published in the United States during the census year.*

States and Territories.	Total.	Bohemian.	Catalan.	Chinese.	English.	French.	German.	Holland.	Indian.	Irish.	Italian.	Polish.	Portuguese.	Danish and Scandinavian.	Spanish.	Welsh.
The United States	11,314	13	1	2	10,515	41	641	9	3	1	4	2	2	49	26	5
Alabama	125				125											
Arizona	17				16										1	
Arkansas	117				116		1									
California	361			2	328	5	15				3			2	6	
Colorado	87				84		3									
Connecticut	139				134		5									
Dakota	67				65		1							1		
Delaware	26				25		1									
Dist. of Columbia	44				41		3									
Florida	45				45											
Georgia	200				199		1									
Idaho	10				10											
Illinois	1,017	4			920	1	70					2		20		
Indiana	467				435		32									
Indian Territory	3				1				2							
Iowa	569	1			523		36	2	1					6		
Kansas	347				334		11							2		
Kentucky	205				194		11									
Louisiana	112				93	15	4									
Maine	123				123											
Maryland	143				134		9									
Massachusetts	427				422	4	1									
Michigan	464				439	2	15	6						2		
Minnesota	223				202	1	13							7		
Mississippi	123				123											
Missouri	530				494	1	34								1	
Montana	18				18											
Nebraska	189	1			175		11							2		
Nevada	37				37											
New Hampshire	87				87											
New Jersey	215				196		19									
New Mexico	18				14										4	
New York	1,411	3	1		1,280	10	97			1	1		1	4	9	4
North Carolina	142				142											
Ohio	774	1			683	1	89									
Oregon	74				72		2									
Pennsylvania	973				884		87						1			1
Rhode Island	44				42	1	1									
South Carolina	81				80		1									
Tennessee	193				192		1									
Texas	280	1			261		13								5	
Utah	22				22											
Vermont	82				82											
Virginia	194				189		5									
Washington	29				29											
West Virginia	109				107		2									
Wisconsin	340	2			287		47	1						3		
Wyoming	11				11											

TABLE CXXXIV.—*Statement showing the total number of newspapers and periodicals devoted to religion, by denominations, published in the United States.*

States and Territories.	Total.	Baptist.	Christian.	Congregational.	Disciples.	Dunkards.	Episcopal.	Evangelical.	Friends.	Jewish.	Lutheran.	Mennonite.	Methodist.	Moravian.	Mormon.	Presbyterian.	Primitive Christian.	Reformed.	Roman Catholic.	Second Advent.	Spiritualist.	Swedenborgian.	Unitarian.	United Brethren in Christ.	Universalist.	Unsectarian.
The United States	553	63	4	14	11	4	33	27	5	16	22	9	75	2	4	42	2	11	70	12	7	3	4	7	9	96
Alabama	5	3	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Arizona	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Arkansas	5	..	..	..	1	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	1
California	12	2	..	1	..	..	1	..	..	2	..	..	2	..	..	1	..	..	1	1	1	..	..	..	..	..
Colorado	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Connecticut	3	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Dakota	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Delaware	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
District of Columbia	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Florida	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Georgia	7	3	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	1	..
Idaho	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Illinois	49	4	..	1	2	..	2	..	..	1	3	..	5	..	1	2	..	1	6	1	1	1	..	1	2	15
Indiana	13	..	1	..	..	..	..	1	..	..	..	6	..	..	..	..	..	..	2	..	..	..	..	..	..	3
Indian Territory	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Iowa	15	1	..	..	..	..	1	2	..	..	2	..	..	..	..	1	..	..	2	1	..	..	..	..	..	5
Kansas	4	..	..	..	..	..	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Kentucky	13	1	..	..	1	..	1	..	..	..	..	..	3	..	..	2	..	..	2	..	..	..	..	..	..	3
Louisiana	7	..	..	..	..	..	..	..	..	1	..	..	3	..	..	1	..	..	2	..	..	..	..	..	..	..
Maine	9	1	..	1	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	4
Maryland	10	..	..	..	..	..	1	..	..	..	..	..	4	..	..	2	..	..	2	..	..	..	..	..	..	1
Massachusetts	30	2	..	3	..	..	..	4	..	..	..	..	2	..	..	..	..	..	2	4	2	1	2	..	3	5
Michigan	11	1	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	2	2	3	..	..	..	..	..	1
Minnesota	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..
Mississippi	4	2	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Missouri	28	5	..	..	1	..	1	1	..	1	3	..	2	..	..	5	1	..	2	..	..	..	..	..	..	6
Montana	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nebraska	2	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nevada	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
New Hampshire	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
New Jersey	3	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
New Mexico	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
New York	*a* 97	9	..	2	..	..	11	2	..	6	2	..	9	..	..	4	..	1	20	1	1	..	..	..	..	28
North Carolina	12	4	..	..	..	..	1	..	..	..	..	..	4	..	..	2	1	..	..	..	..	..	..	..	..	..
Ohio	57	4	1	1	2	1	1	8	2	3	3	..	6	..	..	1	..	2	9	..	..	..	..	4	1	8
Oregon	5	..	..	..	1	..	1	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	1	..	..
Pennsylvania	75	3	..	1	..	3	3	7	3	1	7	2	5	2	..	9	..	5	8	1	1	1	1	1	..	11
Rhode Island	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Carolina	10	1	..	..	..	..	1	..	..	..	1	..	2	..	..	5	..	..	..	..	..	..	..	..	..	..
Tennessee	14	5	..	..	1	..	..	..	..	..	..	..	4	..	..	3	..	..	..	..	..	..	..	..	..	1
Texas	14	4	1	..	1	..	..	..	..	..	..	..	4	..	..	2	..	..	..	..	1	..	..	..	..	1
Utah	4	..	..	..	..	..	..	..	..	..	..	..	1	..	3	..	..	..	..	..	..	..	..	..	..	..
Vermont	3	1	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Virginia	11	3	1	..	1	..	1	..	..	..	1	..	2	..	..	1	..	..	1	..	..	..	..	..	..	..
Washington	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
West Virginia	3	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	1	..	..	..	..	..	..	..
Wisconsin	7	..	..	..	..	..	2	2	..	1	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Wyoming	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

a 1 Shaker included in grand total, and omitted in denominational columns.

PUBLIC SCHOOLS.

103 c c 1633

PUBLIC SCHOOLS AND ILLITERACY.

DEPARTMENT OF THE INTERIOR,
CENSUS OFFICE,
Washington, D. C., December 22, 1882.

Hon. C. W. SEATON,
Superintendent of Census.

DEAR SIR: I have the honor to submit the following tables, presenting a summary of the census statistics relating to all public schools included in the classes generally designated as common, or elementary, and high. A separate report as to these two classes of schools was rendered impracticable because of the wide and irreconcilable differences in the various states, and in counties of the same state, between schools reported as belonging to a given class; those essentially the same in character having been described in one instance as high, and in another as elementary, and *vice versa*.

Under the general heading "Public Schools, Elementary and High", will be found, therefore, the totals of the classes named; and under the heading "Schools reported as High, or as having High School departments", are enumerated not only high schools proper, but all so reported, including those whose right to the name, under a definition which could be made generally applicable, would be called in question. The absence of definitions, which would secure uniformity in the meaning of results tabulated under a given head, has hitherto detracted very largely from the value of school statistics.

For example, when several schools formerly taught in separate buildings have been brought together, under a union or graded system, in the several rooms of one building, they are henceforth, very generally, regarded as constituting a single school, and so reported. The unity resulting from the co-ordination of various departments may, in many instances, give apparent reason for this view; but it is obvious that to report as a single school, departments which have been substituted for what were formerly enumerated as separate schools, and the equivalents of which elsewhere continue to be so reported, is to present an unfair exhibit as to the whole number of schools, in localities or states which have adopted, under any form, the departmental system, as compared with those which have not.

It is also evident that deductions based upon totals thus derived must be misleading. To obviate this difficulty, so far as possible, an effort has been made to give a uniform meaning to the word school, by defining it as "a collection of children uniformly taught, in a separate building or department, by separate teachers".

The number of buildings reported, includes only those owned by the public, and will be found in many instances to be largely exceeded by the number of schools. In such cases the deficiency is supplied by the use of buildings which are private property. In the report of seats provided, all buildings are included.

School officers, in reporting the number of teachers employed during

the school year, have been accustomed, in very many instances, throughout the states, to report teachers regarded as officers and as individuals indiscriminately. It has thus happened that a school really employing and paying for the services of but one teacher has, owing to a change of persons, been credited with two or even three; and computations as to the average of time employed, and of salaries paid for an entire district, based upon fundamental errors of this kind, have been found to possess little value. In the census report of teachers employed, an effort has been made to obviate such errors by reports showing the largest number employed at any one time during the school year, regardless of the individual changes, as the result of which the number of different persons employed would exceed the number referred to.

Radical differences in the keeping of school records, and in the data made use of in the computation of average salaries, have made it impossible to obtain, from original records or from official reports, information upon which to base calculations as to average wages paid teachers which would possess any real value. Such averages can be ascertained correctly, only upon the basis of records so scaled as to show the whole number of teachers employed in a given district, county, or state at any given sum per month: as 10 at $20, 15 at $25, 30 at $40, etc. With results thus ascertained, the division of the aggregates of monthly wages by the whole number of teachers, would indicate the average monthly salary in a given locality. In the absence of records upon which to base such computations, and as the only obtainable statistics bearing upon salaries of teachers which would possess the merit of accuracy, statements are presented showing "the average amount paid monthly, per teacher, for services", based upon the ascertained number of teachers actually employed, the aggregate of salaries paid, and the aggregate months of service rendered. These results are as accurate as the most painstaking care can make them; and as they are derived through processes which have been uniform at every stage, will possess a value which has not hitherto attached to statistics of the kind.

The statements presented as to receipts and expenditures are believed, in every instance, to be substantially correct as to amounts; but in the classification of receipts from public funds, owing to the carelessness with which school records are kept, it has in some instances been impossible to properly distinguish between public funds derived from state and local sources; and "balances on hand", counted by school officers as a portion of the receipts for the current year, consisting, perhaps, of funds derived in part from each of the above sources, but not separately carried forward by accounting officers, have necessarily been included under the general head of "all other sources". For the same reason it has been impossible in all cases to separately report amounts expended for buildings and grounds, and funds thus expended, in many instances, are reported under the head of "Expended for all other purposes".

Aside from the possible inaccuracies of an unavoidable character, to which reference has been made, it is believed that the statistics of the accompanying summary present the nearest approach to correctness possible with the instrumentalities for the collation of information now available; and in view of the fact that a uniform meaning has attached to all of the terms used in the prosecution of the census inquiries, the results may justly be regarded as possessing relatively higher value than any previous general collection of public school statistics.

The information first received was, in thousands of instances, as the result of correspondence, supplemented by reports more complete and

satisfactory in character. A great majority of these, when tabulated, were recommitted to local officers for final inspection and revision; and the tabulated returns for entire states have, as a rule, been submitted to the examination of state officers of public instruction, with a view to the detection of whatever inaccuracies might have escaped the notice of the census examiners. The commendatory letters received from these officials, encourage the belief that the effort of this office, in the direction of a thorough and comprehensive collection of the statistics of the public schools in the United States, will be found to have present value commensurate with the great labor involved, and will prepare the way for the more complete success of similar undertakings in the future.

The Statistics of Illiteracy have been so tabulated as to show in addition to the total of illiterates, 10 years of age and over, the relative number and percentage of persons unable to write, arranged by classes and groups as follows: First, page 1646, whites, native and foreign born; second, pages 1647, 1648, and 1649, whites, male and female, 10 to 14, 15 to 20, and 21 and over; third, pages 1650 to 1653, colored, male and female, 10 to 14, 15 to 20, and 21 and over.

In a comparison of the statistics now presented with those of 1870, marked changes observable in Rhode Island, New Mexico, and certain other of the territories, are probably due, save in New Mexico, to movements in the population; that in Rhode Island to the influx of French Canadians; those in the territories, with the exception of New Mexico, to changes in the Chinese population, which has not only decreased, but by errors in the census of 1870, was counted almost wholly as illiterate (see note *a*, page 1655). The change in New Mexico may be safely attributed to the results of the establishment of common schools.

In presenting for purposes of comparison the statistics of 1860 (page 1656) attention is called to the fact that in that year those unable to read and those unable to write were not separately enumerated; and that the enumeration included only those 20 years of age and upward. The fact that the censuses of 1870 and 1880 show a considerable excess of the non-writing over the non-reading population, must be considered in estimating the value of comparisons which include the census of illiteracy in 1860. The value of such comparisons will evidently be affected also by the fact that the enumeration of illiterates in 1860 began with the age of 20, while the corresponding enumerations of 1870 and 1880 properly began with those who had attained the voting age.

As the volume containing this summary will reach the hands of many of the teachers, as well as district, town, county, state, and other officers, who have assisted in the work whose results are here presented, it is fitting that due acknowledgment be made for the uniformly cheerful and painstaking manner in which they have responded, without pecuniary reward, to the requests of this office.

It is a pleasure, and a duty as well, also to acknowledge the invaluable aid rendered by the immediate assistants of the special agent in charge, including Mr. Charles B. R. Colledge, assistant chief of the educational division, the chiefs of the several sections, the clerks in charge of correspondence, and all of those who have so faithfully and intelligently assisted in the work of compilation.

HENRY RANDALL WAITE,
Special Agent in charge of Statistics of Education, etc.

TABLE CXXXV.—*Public schools, elementary and high, by states and territories, showing schools, or having high-school departments; number of school buildings and*

	States and Territories.	PUBLIC SCHOOLS, ELEMENTARY AND HIGH.			BUILDINGS AND SITTINGS.		Total value of school property.
		Whole number.	Separate schools for colored children.	Number reported as high schools or as having high-school departments.	Number of school buildings.	Number of sittings provided.	
	The United States	225,880	16,800	5,430	164,832	8,968,731	*Dollars.* 211,411,540
1	Alabama	4,629	1,525	118	1,819	145,222	299,599
2	Arizona	101	.....	3	84	5,027	113,074
3	Arkansas (*a*)	2,768	601	52	1,570	109,384	273,302
4	California	3,446	3	67	2,222	162,649	6,949,983
5	Colorado	514	.....	10	313	20,128	710,503
6	Connecticut	2,601	.....	12	1,643	110,942	3,454,275
7	Dakota	508	*b* 1	3	361	13,223	214,760
8	Delaware	519	50	3	369	23,616	440,788
9	District of Columbia	415	115	3	97	21,526	1,206,355
10	Florida	1,135	301	21	880	48,048	134,804
11	Georgia	5,939	1,688	12	4,529	221,148	1,046,026
12	Idaho	128	.....	.....	116	6,166	31,000
13	Illinois	15,203	76	113	11,880	694,106	15,876,572
14	Indiana	11,623	121	285	9,679	437,050	11,907,541
15	Iowa	12,635	.....	141	11,148	429,202	9,460,775
16	Kansas	6,148	45	28	5,315	236,635	4,723,043
17	Kentucky	7,392	823	163	6,183	321,087	2,143,013
18	Louisiana	1,669	479	16	763	72,499	752,903
19	Maine	4,736	.....	83	4,324	178,271	3,027,602
20	Maryland	2,551	436	109	1,934	128,306	2,083,013
21	Massachusetts	6,604	.....	204	3,343	319,749	21,660,392
22	Michigan	8,608	18	132	6,412	446,310	8,982,344
23	Minnesota	4,784	.....	56	3,978	154,122	3,460,458
24	Mississippi	5,166	2,147	106	2,683	188,303	553,610
25	Missouri	10,329	558	239	8,552	329,983	7,810,924
26	Montana	159	1	3	131	4,370	132,507
27	Nebraska	3,286	.....	40	2,900	90,752	2,061,059
28	Nevada	185	.....	12	93	8,035	282,870
29	New Hampshire	2,552	.....	51	2,230	81,131	2,328,796
30	New Jersey	3,241	59	135	1,588	187,352	6,298,500
31	New Mexico	162	.....	.....	46	5,580	13,500
32	New York	18,615	30	268	11,927	763,817	31,235,401
33	North Carolina	6,161	2,146	.....	4,216	209,233	248,015
34	Ohio	16,473	220	348	12,224	676,664	21,643,515
35	Oregon	1,068	.....	17	937	39,873	249,087
36	Pennsylvania	18,616	87	2,159	12,857	961,074	25,919,397
37	Rhode Island	850	1	7	453	41,524	1,895,877
38	South Carolina	3,077	1,205	66	2,863	120,918	407,256
39	Tennessee	5,688	1,179	60	4,072	205,904	1,025,858
40	Texas	6,692	1,507	104	1,054	.....	130,762
41	Utah	383	.....	.....	334	27,134	372,273
42	Vermont	2,597	.....	83	2,450	77,209	1,427,547
43	Virginia	4,876	1,256	.....	4,405	186,581	1,246,283
44	Washington	531	.....	5	487	15,800	161,309
45	West Virginia	3,874	122	.....	3,654	119,085	1,686,999
46	Wisconsin	6,588	.....	92	5,685	325,854	5,287,570
47	Wyoming	55	.....	1	29	3,139	40,500

a Repeated efforts failed to obtain returns from the counties of Little River and Polk, Arkansas. The statistics for those counties, therefore, are not included in the total for the state.
b Indian school.

whole number; number of separate schools for colored children; number reported as high sittings; value of school property; receipts and expenditures: 1880.

RECEIPTS.			EXPENDITURES.				
Total.	From state, county, city, and other public funds.	From all other sources.	Total.	For teachers' salaries.	For buildings and grounds.	For all other purposes.	
Dollars. 96,857,534	*Dollars.* 75,757,361	*Dollars.* 21,100,173	*Dollars.* *a* 79,339,814	*Dollars.* 55,745,029	*Dollars.* 6,643,313	*Dollars.* 16,951,472	
505,201	399,737	105,464	430,131	388,128	.....	42,003	1
103,028	103,028	.....	61,172	56,744	2,904	1,524	2
500,978	389,152	111,826	382,637	331,750	*b* 23,515	27,372	3
3,525,527	3,018,019	507,508	3,031,014	2,271,219	185,743	574,052	4
526,126	448,766	77,360	400,205	190,839	92,357	117,009	5
1,441,255	1,395,060	46,195	1,335,234	986,989	87,047	261,198	6
137,817	120,599	17,218	183,257	81,311	69,513	32,433	7
177,653	177,653	.....	172,455	110,931	.....	61,524	8
476,957	474,733	2,224	438,567	287,872	45,598	105,097	9
129,907	103,831	26,076	117,724	99,177	.....	18,547	10
659,560	481,522	178,038	653,464	616,096	.....	37,368	11
50,234	47,104	3,130	38,411	33,421	1,778	3,212	12
9,850,011	7,308,513	2,541,498	7,536,682	4,587,046	572,801	2,376,835	13
7,267,700	4,286,209	2,981,491	4,504,407	3,175,275	387,284	941,848	14
6,288,167	3,846,893	2,441,274	4,347,119	2,907,446	426,520	1,013,153	15
2,163,261	1,462,093	701,168	1,819,561	1,101,211	306,490	411,860	16
1,132,202	1,132,202	.....	1,162,944	1,025,659	15,622	121,663	17
498,409	442,133	56,276	455,758	373,081	.....	82,677	18
1,074,554	1,050,715	23,839	991,297	777,692	74,801	138,804	19
1,452,557	1,343,707	108,850	1,395,284	1,117,145	100,917	177,222	20
4,696,612	4,383,080	313,532	4,720,951	3,906,516	490,015	324,420	21
3,792,740	2,672,876	1,119,864	3,112,468	1,920,618	*b* 356,237	835,613	22
2,012,987	1,404,104	608,883	1,622,919	956,571	157,889	508,459	23
742,765	571,884	170,881	679,475	653,351	.....	26,124	24
3,930,003	3,117,164	812,839	3,092,332	2,261,058	121,510	709,764	25
76,302	63,545	12,757	68,002	53,785	2,928	11,289	26
1,252,898	983,848	269,050	1,079,966	565,651	188,789	325,526	27
275,967	212,304	63,663	212,164	131,019	46,694	34,451	28
559,133	542,998	16,135	568,103	415,777	14,924	137,402	29
1,881,103	1,807,934	73,169	2,039,938	1,391,550	272,036	376,352	30
32,171	31,861	310	28,973	28,002	.....	971	31
11,035,511	9,569,807	1,465,704	9,936,662	7,438,277	500,905	1,997,480	32
553,464	412,771	140,693	383,709	328,717	16,152	38,840	33
11,085,315	6,784,020	4,301,295	7,707,630	4,972,541	711,835	2,023,254	34
340,932	251,791	89,141	316,885	212,348	67,798	36,739	35
8,126,827	8,126,131	696	7,306,692	4,504,802	*c* 855,169	1,946,721	36
541,607	492,797	48,810	530,167	401,738	52,930	75,499	37
405,551	371,707	33,844	367,259	308,230	8,060	50,969	38
973,198	790,030	183,168	786,088	634,587	64,926	86,575	39
921,595	750,401	171,194	782,735	713,908	20,139	48,688	40
176,048	92,842	83,206	170,887	130,187	9,566	31,134	41
462,139	430,608	31,531	452,693	361,039	43,167	48,487	42
1,287,526	1,084,385	203,141	889,862	716,153	29,341	144,368	43
120,549	115,031	5,518	112,615	95,582	4,385	12,648	44
875,913	706,887	169,026	720,967	527,099	65,057	128,811	45
2,701,413	1,920,382	781,031	2,163,845	1,570,997	149,971	442,877	46
36,161	34,504	1,657	28,504	25,894	.....	2,610	47

a Exclusive of expenditures connected with state offices of public instruction, schools of the grade of normal schools and colleges, and schools for Indian children.
b Includes repairs.
c Includes rents, except in Philadelphia.

TABLE CXXXVI.—*Public schools, elementary and high, by states and territories, showing for teachers' services and aggregate months of same; aggregate months of schools;*

	States and Territories.	TEACHERS. Whole number employed at one time.	White. Male.	White. Female.	Colored. Male.	Colored. Female.	Average amount paid monthly per teacher for services.	Aggregate months of teachers' service.	Aggregate months of schools.
	The United States.	236, 019	96, 099	124, 086	10, 520	5, 314	$36 21	1, 539, 303	1, 462, 174
1	Alabama	4, 637	1, 873	1, 230	1, 093	441	21 66	17, 913	17, 893
2	Arizona	101	48	53	.....	.....	76 54	7, 413	7, 413
3	Arkansas	2, 823	1, 807	563	352	101	37 62	8, 816	8, 660
4	California	3, 556	1, 173	2, 383	.....	.....	76 99	29, 500	28, 521
5	Colorado	559	215	344	.....	.....	57 97	3, 292	3, 013
6	Connecticut	2, 719	573	2, 146	.....	.....	40 36	24, 455	23, 294
7	Dakota	520	212	308	.....	.....	32 31	2, 516	2, 458
8	Delaware	526	239	280	1	6	27 99	3, 962	3, 920
9	District of Columbia	425	21	255	12	137	67 74	4, 250	4, 150
10	Florida	1, 151	546	326	183	96	25 50	3, 888	3, 832
11	Georgia	6, 146	2, 676	1, 742	983	745	30 26	20, 385	19, 545
12	Idaho	129	74	55	.....	.....	54 73	610	604
13	Illinois	15, 912	6, 148	9, 718	31	15	38 78	118, 276	112, 508
14	Indiana	11, 906	6, 862	4, 923	76	45	38 90	81, 621	79, 329
15	Iowa	12, 794	4, 380	8, 414	.....	.....	30 59	95, 040	93, 771
16	Kansas	6, 619	2, 958	3, 632	23	6	27 56	39, 956	36, 553
17	Kentucky	7, 706	4, 380	2, 507	480	339	26 00	39, 453	37, 711
18	Louisiana	1, 713	540	741	287	145	40 02	9, 322	9, 073
19	Maine	4, 797	1, 344	3, 453	.....	.....	28 20	27, 576	27, 118
20	Maryland	3, 038	1, 064	1, 587	231	156	42 19	26, 479	22, 198
21	Massachusetts	7, 336	922	6, 411	1	2	58 49	66, 780	59, 740
22	Michigan	8, 608	2, 496	6, 098	6	8	29 05	66, 095	66, 095
23	Minnesota	5, 100	1, 824	3, 276	.....	.....	33 84	28, 264	26, 376
24	Mississippi	5, 473	1, 834	1, 396	1, 411	832	29 10	22, 458	21, 149
25	Missouri	10, 802	5, 552	4, 661	340	249	36 33	62, 228	58, 359
26	Montana	167	62	105	.....	.....	63 21	851	804
27	Nebraska	3, 418	1, 319	2, 099	.....	.....	31 38	18, 023	17, 244
28	Nevada	195	52	143	.....	.....	89 45	1, 465	1, 383
29	New Hampshire	2, 620	395	2, 225	.....	.....	28 12	14, 785	14, 376
30	New Jersey	3, 422	943	2, 430	15	34	41 42	33, 594	31, 861
31	New Mexico	164	128	36	.....	.....	30 67	913	899
32	New York	20, 738	5, 641	15, 049	6	42	40 71	182, 723	163, 782
33	North Carolina	6, 266	3, 113	1, 178	1, 430	545	21 27	15, 452	15, 120
34	Ohio	16, 875	7, 913	8, 740	126	96	37 79	131, 593	127, 944
35	Oregon	1, 141	518	623	.....	.....	38 63	5, 497	5, 138
36	Pennsylvania	19, 388	8, 993	10, 359	19	17	33 52	134, 399	128, 897
37	Rhode Island	902	145	756	1	.....	48 25	8, 326	7, 827
38	South Carolina	3, 204	1, 078	975	787	364	25 21	12, 227	11, 712
39	Tennessee	5, 937	3, 464	1, 244	894	335	28 45	22, 307	21, 098
40	Texas	6, 764	3, 871	1, 514	1, 105	274	28 01	25, 488	25, 194
41	Utah	434	222	212	.....	.....	42 48	3, 065	2, 695
42	Vermont	2, 597	731	1, 866	.....	.....	21 81	16, 548	16, 548
43	Virginia	4, 933	2, 507	1, 630	539	257	26 63	26, 888	26, 509
44	Washington	532	199	333	.....	.....	35 97	2, 657	2, 647
45	West Virginia	4, 156	2, 986	1, 055	88	27	27 61	19, 090	17, 586
46	Wisconsin	7, 000	2, 027	4, 973	.....	.....	29 96	52, 434	49, 299
47	Wyoming	70	31	39	.....	.....	60 23	430	328

number of teachers employed at one time, by color and sex; average amount paid monthly number of pupils, by color and sex, and average daily attendance: 1880.

NUMBER OF PUPILS WHO ATTENDED SCHOOL DURING THE YEAR.							AVERAGE DAILY ATTENDANCE OF PUPILS.			
Wholenumber.	White.			Colored.						
	Total.	Male.	Female.	Total.	Male.	Female.	Total.	White.	Colored.	
9,946,160	9,090,248	4,687,530	4,402,718	855,912	433,329	422,583	6,276,398	5,715,914	560,484	
187,550	111,889	60,660	51,229	75,661	40,416	35,245	123,366	70,514	52,852	1
4,212	4,212	2,104	2,108	.....	.....	.....	3,213	3,213	.....	2
108,236	81,363	43,153	38,210	26,873	13,426	13,447	65,619	50,225	15,394	3
161,477	160,659	82,687	77,972	818	420	398	106,179	105,668	511	4
22,804	22,760	11,363	11,397	44	24	20	13,807	13,780	27	5
118,589	118,232	61,586	56,646	357	164	193	72,725	72,531	194	6
13,718	13,677	7,016	6,661	41	16	*a* 25	8,530	8,511	*a* 19	7
26,412	24,178	12,839	11,339	2,234	1,296	938	17,439	16,066	1,373	8
26,439	18,472	9,200	9,272	7,967	3,599	4,368	20,637	14,605	6,032	9
43,304	27,672	13,642	14,030	15,632	7,778	7,854	31,477	20,958	10,519	10
237,124	150,501	80,615	69,886	86,623	43,301	43,322	151,759	95,131	56,628	11
5,834	5,830	3,028	2,802	4	2	2	3,863	3,861	2	12
704,041	698,561	360,087	338,474	5,480	2,652	2,828	431,643	428,374	3,269	13
512,201	504,231	266,077	238,154	7,970	4,009	3,961	320,577	315,590	4,987	14
425,665	425,160	216,558	208,602	505	242	263	260,813	260,511	302	15
246,128	239,238	124,542	114,696	6,890	3,429	3,461	144,343	140,362	3,981	16
292,427	263,507	135,928	127,579	28,920	14,640	14,280	192,331	173,129	19,202	17
81,012	46,370	24,316	22,054	34,642	17,574	17,068	55,808	30,687	25,121	18
150,811	150,758	73,522	77,236	53	25	28	106,763	106,731	32	19
149,981	123,448	63,708	59,740	26,533	13,521	13,012	85,449	72,909	12,540	20
316,630	316,193	156,922	159,271	437	211	226	235,664	235,355	309	21
362,459	360,822	180,286	180,536	*b* 1,637	850	787	263,775	262,889	*c* 886	22
186,544	186,515	93,470	93,045	29	14	15	103,378	103,356	22	23
237,065	115,463	59,749	55,714	121,602	60,515	61,087	156,824	76,225	80,599	24
486,002	461,956	240,565	221,391	24,046	11,770	12,276	260,540	248,014	12,526	25
4,667	4,621	2,386	2,235	46	19	27	2,986	2,963	23	26
100,871	100,661	52,847	47,814	210	110	100	62,510	62,363	147	27
8,918	8,901	4,526	4,375	17	8	9	5,385	5,374	11	28
64,670	64,660	33,517	31,143	10	4	6	48,943	48,934	9	29
205,240	201,463	99,961	101,502	3,777	1,895	1,882	116,860	114,466	2,394	30
4,755	4,755	2,484	2,271	.....	.....	.....	3,150	3,150	.....	31
1,027,938	1,022,154	516,838	505,316	*d* 5,784	*e* 2,963	*f* 2,821	551,958	549,083	*e* 2,875	32
256,422	161,262	87,051	74,211	95,160	47,725	47,435	164,570	102,254	62,316	33
752,442	740,713	389,086	351,627	11,729	5,907	5,822	495,924	487,126	8,798	34
37,437	37,430	19,353	18,077	7	3	4	26,563	26,559	4	35
950,300	938,275	485,079	453,196	12,025	5,933	6,092	622,351	615,686	6,665	36
42,489	42,454	21,465	20,989	35	16	19	27,453	27,438	15	37
132,842	61,832	32,179	29,653	73,010	37,460	35,550	99,070	46,600	52,470	38
291,500	230,130	119,293	110,837	61,370	30,883	30,487	205,081	161,269	43,812	39
176,245	131,616	68,627	62,989	44,629	23,697	20,932	123,473	91,893	31,580	40
25,792	25,782	13,569	12,213	*g* 10	2	*g* 8	17,513	17,506	*h* 7	41
73,237	73,159	37,255	35,904	78	45	33	47,206	47,167	39	42
220,733	152,435	78,757	73,698	68,278	34,270	34,008	129,006	90,106	38,900	43
14,780	14,644	7,210	7,434	*i* 136	*c* 71	*c* 65	10,546	10,457	*j* 89	44
143,796	139,690	75,484	64,206	4,106	2,169	1,937	92,132	89,414	2,718	45
299,514	299,023	155,422	143,601	491	252	239	185,276	184,995	281	46
2,907	2,901	1,518	1,383	6	3	3	1,920	1,916	4	47

a Indians.
b Includes 20 Indians.
c Includes 15 Indians.
d Includes 29 Indians.
e Includes 17 Indians.
f Includes 12 Indians.
g Includes 5 Indians.
h Includes 3 Indians.
i Includes 30 Indians.
j Includes 18 Indians.

ILLITERACY.

[For Remarks on Illiteracy, see page 1637.]

TABLE CXXXVII.—*Illiteracy by states and territories at the censuses of* 1880, 1870, *and* 1860.

1880.

	States and Territories.	PERSONS OF 10 YEARS OF AGE AND UPWARD.					
		Enumerated.	Returned as unable to read.		Returned as unable to write.		
		Number.	*Number.*	*P. cent.*	*Number.*	*P. cent.*	
	The United States	36, 761, 607	4, 923, 451	13. 4	6, 239, 958	17. 0	
1	Alabama	851, 780	370, 279	43. 5	433, 447	50. 9	1
2	Arizona	32, 922	5, 496	16. 7	5, 842	17. 7	2
3	Arkansas	531, 876	153, 229	28. 8	202, 015	38. 0	3
4	California	681, 062	48, 583	7. 1	53, 430	7. 8	4
5	Colorado	158, 220	9, 321	5. 9	10, 474	6. 6	5
6	Connecticut	497, 303	20, 986	4. 2	28, 424	5. 7	6
7	Dakota	99, 849	3, 094	3. 1	4, 821	4. 8	7
8	Delaware	110, 856	16, 912	15. 3	19, 414	17. 5	8
9	District of Columbia	136, 907	21, 541	15. 7	25, 778	18. 8	9
10	Florida	184, 650	70, 219	38. 0	80, 183	43. 4	10
11	Georgia	1, 043, 840	446, 683	42. 8	520, 416	49. 9	11
12	Idaho	25, 005	1, 384	5. 5	1, 778	7. 1	12
13	Illinois	2, 269, 315	96, 809	4. 3	145, 397	6. 4	13
14	Indiana	1, 468, 095	70, 008	4. 8	110, 761	7. 5	14
15	Iowa	1, 181, 641	28, 117	2. 4	46, 609	3. 9	15
16	Kansas	704, 297	25, 503	3. 6	39, 476	5. 6	16
17	Kentucky	1, 163, 498	258, 186	22. 2	348, 392	29. 9	17
18	Louisiana	649, 070	297, 312	45. 8	318, 380	49. 1	18
19	Maine	519, 669	18, 181	3. 5	22, 170	4. 3	19
20	Maryland	695, 364	111, 387	16. 0	134, 488	19. 3	20
21	Massachusetts	1, 432, 183	75, 635	5. 3	92, 980	6. 5	21
22	Michigan	1, 236, 686	47, 112	3. 8	63, 723	5. 2	22
23	Minnesota	559, 977	20, 551	3. 7	34, 546	6. 2	23
24	Mississippi	753, 693	315, 612	41. 9	373, 201	49. 5	24
25	Missouri	1, 557, 631	138, 818	8. 9	208, 754	13. 4	25
26	Montana	31, 989	1, 530	4. 8	1, 707	5. 3	26
27	Nebraska	318, 271	7, 830	2. 5	11, 528	3. 6	27
28	Nevada	50, 666	3, 703	7. 3	4, 069	8. 0	28
29	New Hampshire	286, 188	11, 982	4. 2	14, 302	5. 0	29
30	New Jersey	865, 591	39, 136	4. 5	53, 249	6. 2	30
31	New Mexico	87, 966	52, 994	60. 2	57, 156	65. 0	31
32	New York	3, 981, 428	166, 625	4. 2	219, 600	5. 5	32
33	North Carolina	959, 951	367, 890	38. 3	463, 975	48. 3	33
34	Ohio	2, 399, 367	86, 754	3. 6	131, 847	5. 5	34
35	Oregon	130, 565	5, 376	4. 1	7, 423	5. 7	35
36	Pennsylvania	3, 203, 215	146, 138	4. 6	228, 014	7. 1	36
37	Rhode Island	220, 461	17, 456	7. 9	24, 793	11. 2	37
38	South Carolina	667, 456	321, 780	48. 2	369, 848	55. 4	38
39	Tennessee	1, 062, 130	294, 385	27. 7	410, 722	38. 7	39
40	Texas	1, 064, 196	256, 223	24. 1	316, 432	29. 7	40
41	Utah	97, 194	4, 851	5. 0	8, 826	9. 1	41
42	Vermont	264, 052	12, 993	4. 9	15, 837	6. 0	42
43	Virginia	1, 059, 034	360, 495	34. 0	430, 352	40. 6	43
44	Washington	55, 720	3, 191	5. 7	3, 889	7. 0	44
45	West Virginia	428, 587	52, 041	12. 1	85, 376	19. 9	45
46	Wisconsin	965, 712	38, 693	4. 0	55, 558	5. 8	46
47	Wyoming	16, 479	427	2. 6	556	3. 4	47

TABLE CXXXVII.—*Illiteracy by states and territories*—Continued.

1880.

	States and Territories.	White persons of 10 years of age and upward.			Native white persons of 10 years of age and upward.			Foreign-born white persons of 10 years of age and upward.		
		Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.	
		Number.	*Number.*	*P. ct.*	*Number.*	*Number.*	*P. ct.*	*Number.*	*Number*	*P. ct.*
	The United States	32,160,400	3,019,080	9.4	25,785,789	2,255,460	8.7	6,374,611	763,620	12.0
1	Alabama	452,722	111,767	24.7	448,327	111,040	25.0	9,395	727	7.7
2	Arizona	28,634	4,824	16.8	15,200	1,225	8.1	13,434	3,599	26.8
3	Arkansas	393,905	98,542	25.0	384,060	97,990	25.5	9,845	552	5.6
4	California	589,235	26,090	4.4	374,772	7,660	2.0	214,463	18,430	8.6
5	Colorado	155,456	9,906	6.4	117,132	8,373	7.1	38,324	1,533	4.0
6	Connecticut	487,780	26,763	5.5	361,733	3,728	1.0	126,047	23,035	18.3
7	Dakota	98,348	4,157	4.2	51,229	933	1.8	47,119	3,224	6.8
8	Delaware	91,611	8,346	9.1	82,318	6,630	8.1	9,293	1,716	18.5
9	Dist. of Columbia	91,872	3,988	4.3	75,025	1,950	2.6	16,847	2,038	12.1
10	Florida	99,137	19,763	19.9	91,749	19,024	20.7	7,388	739	10.0
11	Georgia	563,977	128,934	22.9	553,769	128,362	23.2	10,208	572	5.6
12	Idaho	21,481	784	3.6	15,011	443	3.0	6,470	341	5.3
13	Illinois	2,234,478	132,426	5.9	1,666,214	88,519	5.3	568,264	43,907	7.7
14	Indiana	1,438,955	100,398	7.0	1,297,159	87,786	6.8	141,796	12,612	8.9
15	Iowa	1,174,063	44,337	3.8	918,723	23,660	2.6	255,340	20,677	8.1
16	Kansas	673,121	24,888	3.7	568,380	17,825	3.1	104,741	7,063	6.7
17	Kentucky	973,275	214,497	22.0	914,811	208,796	22.8	58,964	5,701	9.7
18	Louisiana	320,917	58,951	18.4	268,600	53,261	19.8	52,317	5,690	10.9
19	Maine	518,011	21,758	4.2	463,158	8,775	1.9	54,853	12,983	23.7
20	Maryland	544,086	44,316	8.1	462,697	36,027	7.8	81,389	8,289	10.2
21	Massachusetts	1,416,767	90,658	6.4	990,160	6,933	0.7	426,607	83,725	19.6
22	Michigan	1,219,906	58,932	4.8	854,925	19,981	2.3	364,981	38,951	10.7
23	Minnesota	557,183	33,506	6.0	300,747	5,671	1.9	256,436	27,835	10.9
24	Mississippi	328,296	53,448	16.3	319,385	52,910	16.6	8,911	538	6.0
25	Missouri	1,453,238	152,510	10.5	1,244,738	137,949	11.1	208,500	14,561	7.0
26	Montana	28,986	631	2.2	19,628	272	1.4	9,358	359	3.8
27	Nebraska	316,312	10,926	3.5	224,899	5,102	2.3	91,413	5,824	6.4
28	Nevada	42,595	1,915	4.5	22,660	240	1.1	19,935	1,675	8.4
29	New Hampshire	285,594	14,208	5.0	242,811	2,710	1.1	42,783	11,498	26.9
30	New Jersey	835,385	44,049	5.3	618,941	20,093	3.2	216,444	23,956	11.1
31	New Mexico	79,767	49,597	62.2	72,219	46,329	64.2	7,548	3,268	43.3
32	New York	3,927,603	208,175	5.3	2,742,847	59,516	2.2	1,184,756	148,659	12.5
33	North Carolina	608,806	192,032	31.5	605,244	191,913	31.7	3,562	119	3.3
34	Ohio	2,339,528	115,491	4.9	1,952,858	83,183	4.3	386,670	32,308	8.4
35	Oregon	119,482	4,313	3.6	99,028	3,433	3.5	20,454	910	4.4
36	Pennsylvania	3,136,561	209,981	6.7	2,562,458	123,206	4.8	574,103	86,775	15.1
37	Rhode Island	215,158	23,544	10.9	144,596	4,261	2.9	70,562	19,283	27.3
38	South Carolina	272,706	59,777	21.9	265,356	59,415	22.4	7,350	362	4.9
39	Tennessee	790,744	216,227	27.3	774,411	214,994	27.8	16,333	1,233	7.5
40	Texas	808,931	123,912	15.3	701,969	97,498	13.9	106,962	26,414	24.7
41	Utah	95,876	8,137	8.5	53,944	3,183	5.9	41,932	4,954	11.8
42	Vermont	263,245	15,681	6.0	224,361	5,354	2.4	38,884	10,327	26.6
43	Virginia	630,584	114,692	18.2	616,314	113,915	18.5	14,270	777	5.4
44	Washington	49,269	1,429	2.9	37,278	895	2.4	11,991	534	4.5
45	West Virginia	410,141	75,237	18.3	392,242	72,826	18.6	17,899	2,411	13.5
46	Wisconsin	961,433	54,233	5.6	566,745	11,494	2.0	394,688	42,739	10.8
47	Wyoming	15,240	374	2.5	10,458	177	1.7	4,782	197	4.1

TABLE CXXXVII.—*Illiteracy by states and territories*—Continued.

1880.

WHITE PERSONS FROM 10 TO 14 YEARS OF AGE, BOTH INCLUSIVE.			WHITE MALES FROM 10 to 14 YEARS OF AGE, BOTH INCLUSIVE.			WHITE FEMALES FROM 10 to 14 YEARS OF AGE, BOTH INCLUSIVE.			
Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.		
Number.	*Number.*	*P. ct.*	*Number.*	*Number.*	*P. ct.*	*Number.*	*Number.*	*P. ct.*	
4,880,531	579,194	11.9	2,482,572	322,302	13.0	2,397,959	256,892	10.7	
77,782	31,788	40.9	40,156	17,442	43.4	37,626	14,346	38.1	1
2,321	551	23.7	1,297	334	25.8	1,024	217	21.2	2
72,133	31,668	43.9	37,249	17,229	46.3	34,884	14,439	41.4	3
77,934	1,517	1.9	39,077	821	2.1	38,857	696	1.8	4
13,026	1,575	12.1	6,643	785	11.8	6,383	790	12.4	5
58,456	1,273	2.2	29,543	715	2.4	28,913	558	1.9	6
11,481	621	5.4	6,040	355	5.9	5,441	266	4.9	7
13,178	1,017	7.7	6,760	587	8.7	6,418	430	6.7	8
12,670	231	1.8	6,348	129	2.0	6,322	102	1.6	9
17,028	5,581	32.8	8,708	3,047	35.0	8,320	2,534	30.5	10
96,137	35,072	37.4	49,475	20,018	40.5	46,662	15,954	34.2	11
2,730	192	7.0	1,397	108	7.7	1,333	84	6.3	12
357,748	19,413	5.4	180,959	11,180	6.2	176,789	8,233	4.7	13
238,068	13,241	5.6	121,245	7,518	6.2	116,823	5,723	4.9	14
195,178	5,051	2.6	99,409	3,047	3.1	95,769	2,004	2.1	15
114,839	5,441	4.7	59,831	3,319	5.5	55,008	2,122	3.9	16
173,312	55,558	32.1	88,386	30,524	34.5	84,926	25,034	29.5	17
54,072	14,363	26.6	26,995	7,565	28.0	27,077	6,798	25.1	18
64,781	2,182	3.4	33,153	1,294	3.9	31,628	888	2.8	19
82,130	5,548	6.8	41,439	3,128	7.5	40,691	2,420	5.9	20
159,921	1,949	1.2	80,270	996	1.2	79,651	953	1.2	21
175,904	5,124	2.9	89,780	3,028	3.4	86,124	2,096	2.4	22
87,386	3,317	3.8	44,228	1,842	4.2	43,158	1,475	3.4	23
57,805	16,860	29.2	29,604	9,624	32.4	28,111	7,236	25.7	24
250,789	40,880	16.3	127,940	23,252	18.2	122,849	17,628	14.3	25
2,060	55	2.7	1,058	28	2.6	1,002	27	2.7	26
49,719	2,145	4.3	25,906	1,255	4.8	23,813	890	3.7	27
3,728	37	1.0	1,863	17	0.9	1,865	20	1.1	28
30,605	1,233	4.0	15,477	635	4.1	15,128	598	4.0	29
116,569	3,484	3.0	58,614	1,957	3.3	57,955	1,527	2.6	30
12,479	7,774	62.3	6,484	3,910	60.3	5,995	3,864	64.5	31
505,144	12,152	2.4	254,441	6,691	2.6	250,703	5,461	2.2	32
99,797	45,324	45.4	51,757	24,592	47.5	48,040	20,732	43.2	33
358,269	12,466	3.5	181,491	7,230	4.0	176,778	5,236	3.0	34
18,617	1,112	6.0	9,460	687	7.3	9,157	425	4.6	35
472,606	19,368	4.1	239,304	11,370	4.8	233,302	7,992	3.4	36
25,587	2,122	8.3	12,879	1,156	9.0	12,708	966	7.6	37
45,200	15,328	33.9	22,984	8,242	35.9	22,216	7,086	31.9	38
142,267	61,316	43.1	73,004	33,536	45.9	69,263	27,780	40.1	39
138,719	39,707	28.6	71,635	22,762	31.8	67,084	16,945	25.3	40
17,735	1,904	10.7	9,000	1,072	11.9	8,735	832	9.5	41
33,449	1,210	3.6	17,150	728	4.2	16,299	482	3.0	42
103,948	27,094	26.1	53,157	15,196	28.6	50,791	11,898	23.4	43
6,955	330	4.7	3,651	207	5.7	3,304	123	3.7	44
76,214	19,911	26.1	39,162	10,850	27.7	37,052	9,061	24.5	45
152,837	4,151	2.7	77,419	2,250	2.9	75,418	1,901	2.5	46
1,218	58	4.8	654	38	5.8	564	20	3.5	47

TABLE CXXXVII.—*Illiteracy by states and territories*—Continued.

1880.

	States and Territories.	White persons from 15 to 20 years of age, both inclusive.			White males from 15 to 20 years of age, both inclusive.			White females from 15 to 20 years of age, both inclusive.		
		Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.	
		Number.	*Number.*	*P. ct.*	*Number.*	*Number.*	*P. ct.*	*Number.*	*Number.*	*P. ct.*
	The United States.	5,295,667	383,423	7.2	2,599,673	201,844	7.8	2,695,994	181,579	6.7
1	Alabama	79,999	19,805	24.8	38,501	10,117	26.3	41,498	9,688	23.3
2	Arizona	3,188	723	22.7	1,795	403	22.5	1,393	320	22.9
3	Arkansas	67,311	16,639	24.7	33,586	8,524	25.4	33,725	8,115	24.1
4	California	86,665	1,948	2.2	43,299	1,221	2.8	43,366	727	1.7
5	Colorado	17,299	1,306	7.5	10,285	573	5.6	7,014	733	10.5
6	Connecticut	70,645	2,151	3.0	34,436	1,051	3.1	36,209	1,100	3.0
7	Dakota	12,238	330	2.7	6,503	175	2.7	5,735	155	2.7
8	Delaware	15,401	867	5.6	7,554	448	5.9	7,847	419	5.3
9	District of Columbia	13,521	188	1.4	6,001	100	1.7	7,520	88	1.2
10	Florida	16,396	3,297	20.1	7,951	1,755	22.1	8,445	1,542	18.3
11	Georgia	96,856	21,269	22.0	46,712	10,827	23.2	50,144	10,442	20.8
12	Idaho	2,728	82	3.0	1,508	58	3.8	1,220	24	2.0
13	Illinois	394,785	13,657	3.5	195,115	7,619	3.9	199,670	6,038	3.0
14	Indiana	259,124	10,081	3.9	128,276	5,650	4.4	130,898	4,431	3.4
15	Iowa	210,208	3,471	1.7	106,373	2,091	2.0	103,835	1,380	1.3
16	Kansas	110,756	2,352	2.1	57,230	1,430	2.5	53,526	922	1.7
17	Kentucky	176,525	34,216	19.4	87,312	17,954	20.6	89,213	16,262	18.2
18	Louisiana	53,673	9,775	18.2	25,100	4,959	19.8	28,573	4,816	16.9
19	Maine	76,848	3,342	4.3	37,898	1,789	4.7	38,950	1,553	4.0
20	Maryland	90,258	4,613	5.1	43,364	2,503	5.8	46,894	2,110	4.5
21	Massachusetts	205,162	7,038	3.4	97,256	3,319	3.4	107,906	3,719	3.4
22	Michigan	195,412	5,517	2.8	99,033	3,459	3.5	96,379	2,058	2.1
23	Minnesota	97,206	2,544	2.6	49,317	1,402	2.8	47,889	1,142	2.4
24	Mississippi	56,369	8,799	15.6	27,602	4,828	17.5	28,767	3,971	13.8
25	Missouri	261,781	21,706	8.3	129,153	11,991	9.3	132,628	9,715	7.3
26	Montana	2,615	51	2.0	1,587	35	2.2	1,028	16	1.6
27	Nebraska	49,669	960	1.9	25,831	536	2.1	23,838	424	1.8
28	Nevada	3,915	71	1.8	2,081	61	2.9	1,834	10	0.5
29	New Hampshire	39,283	2,281	5.8	19,127	1,127	5.9	20,156	1,154	5.7
30	New Jersey	131,080	3,217	2.5	63,206	1,785	2.8	67,874	1,432	2.1
31	New Mexico	13,103	8,200	62.6	6,379	3,324	52.1	6,724	4,876	72.5
32	New York	595,600	13,973	2.3	281,106	6,954	2.5	314,494	7,019	2.2
33	North Carolina	103,927	30,271	29.1	51,308	15,052	29.3	52,619	15,219	28.9
34	Ohio	392,752	10,409	2.7	192,080	5,930	3.1	200,672	4,479	2.2
35	Oregon	19,039	327	1.7	9,820	218	2.2	9,219	109	1.2
36	Pennsylvania	512,709	16,327	3.2	249,344	8,901	3.6	263,365	7,426	2.8
37	Rhode Island	31,049	2,811	9.1	14,705	1,400	9.5	16,344	1,411	8.6
38	South Carolina	44,988	10,114	22.5	21,803	5,212	23.9	23,185	4,902	21.1
39	Tennessee	141,064	36,177	25.6	69,703	18,468	26.5	71,361	17,709	24.8
40	Texas	135,429	19,088	14.1	68,086	10,731	15.8	67,343	8,357	12.4
41	Utah	17,460	848	4.9	8,590	498	5.8	8,870	350	3.9
42	Vermont	38,203	1,599	4.2	19,134	943	4.9	19,069	656	3.4
43	Virginia	101,412	16,594	16.4	49,505	8,944	18.1	51,907	7,650	14.7
44	Washington	6,700	88	1.3	3,471	59	1.7	3,229	29	0.9
45	West Virginia	72,246	9,986	13.8	35,908	5,152	14.3	36,338	4,834	13.3
46	Wisconsin	171,375	4,284	2.5	84,796	2,243	2.6	86,579	2,041	2.4
47	Wyoming	1,695	31	1.8	993	25	2.5	702	6	0.9

TABLE CXXXVII.—*Illiteracy by states and territories*—Continued.

1880.

WHITE PERSONS OF 21 YEARS OF AGE AND UPWARD.			WHITE MALES OF 21 YEARS OF AGE AND UPWARD.			WHITE FEMALES OF 21 YEARS OF AGE AND UPWARD.			
Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.		
Number.	*Number.*	*P. ct.*	*Number.*	*Number.*	*P. ct.*	*Number.*	*Number.*	*P. ct.*	
21, 984, 202	2, 056, 463	9. 4	11, 343, 005	886, 659	7. 8	10, 641, 197	1, 169, 804	11. 0	
294, 941	60, 174	20. 4	141, 461	24, 450	17. 3	153, 480	35, 724	23. 3	1
23, 125	3, 550	15. 4	18, 046	2, 150	11. 9	5, 079	1, 400	27. 6	2
254, 461	50, 235	19. 7	136, 150	21, 349	15. 7	118, 311	28, 886	24. 4	3
424, 636	22, 625	5. 3	262, 583	12, 615	4. 8	162, 053	10, 010	6. 2	4
125, 131	7, 025	5. 6	92, 088	3, 627	3. 9	33, 043	3, 398	10. 3	5
358, 679	23, 339	6. 5	173, 759	9, 501	5. 5	184, 920	13, 838	7. 5	6
74, 629	3, 206	4. 3	50, 962	1, 678	3. 3	23, 667	1, 528	6. 5	7
63, 032	6, 462	10. 3	31, 902	2, 955	9. 3	31, 130	3, 507	11. 3	8
65, 681	3, 569	5. 4	31, 955	1, 350	4. 2	33, 726	2, 219	6. 6	9
65, 713	10, 885	16. 6	34, 210	4, 706	13. 8	31, 503	6, 179	19. 6	10
370, 984	71, 693	19. 3	177, 967	28, 571	16. 1	193, 017	43, 122	22. 3	11
16, 023	510	3. 2	11, 669	319	2. 7	4, 354	191	4. 4	12
1, 481, 945	99, 356	6. 7	783, 161	44, 536	5. 7	698, 784	54, 820	7. 8	13
941, 763	77, 076	8. 2	487, 698	33, 757	6. 9	454, 065	43, 319	9. 5	14
768, 677	35, 815	4. 7	413, 633	16, 202	3. 9	355, 044	19, 613	5. 5	15
447, 526	17, 095	3. 8	254, 949	7, 998	3. 1	192, 577	9, 097	4. 7	16
623, 438	124, 723	20. 0	317, 579	54, 956	17. 3	305, 859	69, 767	22. 8	17
213, 172	34, 813	16. 3	108, 810	16, 377	15. 1	104, 362	18, 436	17. 7	18
376, 382	16, 234	4. 3	186, 659	8, 420	4. 5	189, 723	7, 814	4. 1	19
371, 698	34, 155	9. 2	183, 522	15, 152	8. 3	188, 176	19, 003	10. 1	20
1, 051, 684	81, 671	7. 8	496, 692	30, 951	6. 2	554, 992	50, 720	9. 1	21
848, 590	48, 291	5. 7	461, 557	26, 330	5. 7	387, 033	21, 961	5. 7	22
372, 591	27, 645	7. 4	212, 399	12, 372	5. 8	160, 192	15, 273	9. 5	23
214, 122	27, 789	13. 0	108, 254	12, 473	11. 5	105, 868	15, 316	14. 5	24
940, 668	89, 924	9. 6	508, 165	40, 655	8. 0	432, 503	49, 269	11. 4	25
24, 311	525	2. 2	19, 636	410	2. 1	4, 675	115	2. 5	26
216, 924	7, 821	3. 6	128, 198	3, 836	3. 0	88, 726	3, 985	4. 5	27
34, 952	1, 807	5. 2	25, 633	1, 173	4. 6	9, 319	634	6. 8	28
215, 706	10, 694	5. 0	104, 901	5, 264	5. 0	110, 805	5, 430	4. 9	29
587, 736	37, 348	6. 4	289, 965	15, 902	5. 5	297, 771	21, 446	7. 2	30
54, 185	33, 623	62. 1	30, 981	14, 898	48. 1	23, 204	18, 725	80. 7	31
2, 826, 859	182, 050	6. 4	1, 388, 692	76, 745	5. 5	1, 438, 167	105, 305	7. 3	32
405, 082	116, 437	28. 7	189, 732	44, 420	23. 4	215, 350	72, 017	33. 4	33
1, 588, 507	92, 616	5. 8	804, 871	40, 373	5. 0	783, 636	52, 243	6. 7	34
81, 826	2, 904	3. 5	51, 636	1, 669	3. 2	30, 190	1, 235	4. 1	35
2, 151, 246	174, 286	8. 1	1, 070, 392	65, 985	6. 2	1, 080, 854	108, 301	10. 0	36
158, 522	18, 611	11. 7	75, 012	7, 157	9. 5	83, 510	11, 454	13. 7	37
182, 518	34, 335	18. 8	86, 900	13, 924	16. 0	95, 618	20, 411	21. 3	38
507, 413	118, 734	23. 4	250, 055	46, 948	18. 8	257, 358	71, 786	27. 9	39
534, 783	65, 117	12. 2	301, 737	33, 085	11. 0	233, 046	32, 032	13. 7	40
60, 681	5, 385	8. 9	32, 078	2, 137	6. 7	28, 603	3, 248	11. 4	41
191, 593	12, 872	6. 7	95, 307	6, 731	7. 1	96, 286	6, 141	6. 4	42
425, 224	71, 004	16. 7	206, 248	31, 474	15. 3	218, 976	39, 530	18. 1	43
35, 614	1, 011	2. 8	24, 251	642	2. 6	11, 363	369	3. 2	44
261, 681	45, 340	17. 3	132, 777	19, 055	14. 4	128, 904	26, 285	20. 4	45
637, 221	45, 798	7. 2	338, 932	21, 221	6. 3	298, 289	24, 577	8. 2	46
12, 327	285	2. 3	9, 241	160	1. 7	3, 086	125	4. 1	47

TABLE CXXXVII.—*Illiteracy by states and territories*—Continued.

1880.

	States and Territories.	COLORED PERSONS OF 10 YEARS OF AGE AND UPWARD.			COLORED PERSONS FROM 10 TO 14 YEARS OF AGE, BOTH INCLUSIVE.		
		Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.	
		Number.	*Number.*	*P. ct.*	*Number.*	*Number.*	*P. ct.*
	The United States	4,601,207	3,220,878	70.0	834,655	552,771	66.2
1	Alabama	399,058	321,680	80.6	77,036	57,905	75.2
2	Arizona	4,288	1,018	23.7	457	149	32.6
3	Arkansas	137,971	103,473	75.0	25,815	18,658	72.3
4	California	91,827	27,340	29.8	2,875	1,199	41.7
5	Colorado	2,764	568	20.5	181	20	11.0
6	Connecticut	9,523	1,661	17.4	1,006	64	6.4
7	Dakota	1,501	664	44.2	203	103	50.7
8	Delaware	19,245	11,068	57.5	3,075	1,453	47.3
9	District of Columbia	45,035	21,790	48.4	5,735	853	14.9
10	Florida	85,513	60,420	70.7	15,947	10,676	66.9
11	Georgia	479,863	391,482	81.6	94,522	73,930	78.2
12	Idaho	3,524	994	28.2	45	14	31.1
13	Illinois	34,837	12,971	37.2	5,203	1,389	26.7
14	Indiana	29,140	10,363	35.6	4,469	699	15.6
15	Iowa	7,578	2,272	30.0	1,121	123	11.0
16	Kansas	31,176	14,588	46.8	5,625	1,638	29.1
17	Kentucky	190,223	133,895	70.4	34,068	21,370	62.7
18	Louisiana	328,153	259,429	79.1	57,914	41,919	72.4
19	Maine	1,658	412	24.8	190	27	14.2
20	Maryland	151,278	90,172	59.6	24,603	11,086	45.1
21	Massachusetts	15,416	2,322	15.1	1,504	31	2.1
22	Michigan	16,730	4,791	28.5	2,454	439	17.9
23	Minnesota	2,794	1,040	37.2	396	127	32.1
24	Mississippi	425,397	319,753	75.2	84,238	58,806	69.8
25	Missouri	104,393	56,244	53.9	18,030	7,823	43.4
26	Montana	3,003	1,076	35.8	268	138	51.5
27	Nebraska	1,959	602	30.7	252	40	15.9
28	Nevada	8,071	2,154	26.7	322	148	46.0
29	New Hampshire	594	94	15.8	64	4	6.3
30	New Jersey	30,206	9,200	30.5	3,855	686	17.8
31	New Mexico	8,199	7,559	92.2	1,156	1,045	90.4
32	New York	53,825	11,425	21.2	5,464	528	9.7
33	North Carolina	351,145	271,943	77.4	68,493	51,889	75.8
34	Ohio	59,839	16,356	27.3	9,164	925	10.1
35	Oregon	11,083	3,080	27.8	367	142	38.7
36	Pennsylvania	66,654	18,033	27.1	8,094	1,155	14.3
37	Rhode Island	5,303	1,249	23.6	531	49	9.2
38	South Carolina	394,750	310,071	78.5	76,981	57,072	74.1
39	Tennessee	271,386	194,495	71.7	52,817	35,419	67.1
40	Texas	255,265	192,520	75.4	52,055	37,384	71.8
41	Utah	1,318	689	52.3	123	58	47.2
42	Vermont	807	156	19.3	134	12	9.0
43	Virginia	428,450	315,660	73.7	83,209	53,843	64.7
44	Washington	6,451	2,460	38.1	662	247	37.3
45	West Virginia	18,446	10,139	55.0	3,195	1,324	41.4
46	Wisconsin	4,279	1,325	31.0	710	152	21.4
47	Wyoming	1,239	182	14.7	27	10	37.0

TABLE CXXXVII.—*Illiteracy by states and territories*—Continued.

1880.

COLORED MALES FROM 10 TO 14 YEARS OF AGE, BOTH INCLUSIVE.			COLORED FEMALES FROM 10 TO 14 YEARS OF AGE, BOTH INCLUSIVE.			
Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.		
Number.	*Number.*	*P. ct.*	*Number.*	*Number.*	*P. ct.*	
424,909	285,997	67.3	409,746	266,774	65.1	
39,626	30,153	76.1	37,410	27,752	74.2	1
238	66	27.7	219	83	37.9	2
13,230	9,605	72.6	12,585	9,053	71.9	3
1,638	613	37.4	1,237	586	47.4	4
89	13	14.6	92	7	7.6	5
481	31	6.4	525	33	6.3	6
94	49	52.1	109	54	49.5	7
1,572	754	48.0	1,503	699	46.5	8
2,717	430	15.8	3,018	423	14.0	9
8,085	5,425	67.1	7,862	5,251	66.8	10
48,496	38,222	78.8	46,026	35,708	77.6	11
28	8	28.6	17	6	35.3	12
2,651	736	27.8	2,552	653	25.6	13
2,223	352	15.8	2,246	347	15.4	14
584	58	9.9	537	65	12.1	15
2,883	889	30.5	2,742	749	27.3	16
17,255	11,326	65.6	16,813	10,044	59.7	17
29,586	21,603	73.0	28,328	20,316	71.7	18
96	11	11.5	94	16	17.0	19
12,289	5,693	46.3	12,314	5,393	43.8	20
765	18	2.4	739	13	1.8	21
1,231	244	19.8	1,223	195	15.9	22
197	73	37.1	199	54	27.1	23
43,231	30,366	70.2	41,007	28,440	69.4	24
9,101	4,169	45.8	8,929	3,654	40.9	25
144	86	59.7	124	52	41.9	26
119	17	14.3	133	23	17.3	27
187	79	42.2	135	69	51.1	28
28	3	10.7	36	1	2.8	29
1,921	361	18.8	1,934	325	16.8	30
591	525	88.8	565	520	92.0	31
2,678	273	10.2	2,786	255	9.2	32
34,775	26,676	76.7	33,718	25,213	74.8	33
4,648	489	10.5	4,516	436	9.7	34
229	94	41.0	138	48	34.8	35
3,962	600	15.1	4,132	555	13.4	36
258	25	9.7	273	24	8.8	37
39,323	29,314	74.5	37,658	27,758	73.7	38
26,617	18,280	68.7	26,200	17,139	65.4	39
26,259	19,165	73.0	25,796	18,219	70.6	40
60	33	55.0	63	25	39.7	41
71	6	8.5	63	6	9.5	42
42,204	28,109	66.6	41,005	25,734	62.8	43
365	135	37.0	297	112	37.7	44
1,691	727	43.0	1,504	597	39.7	45
378	87	23.0	332	65	19.6	46
15	6	40.0	12	4	33.3	47

TABLE CXXXVII.—*Illiteracy by states and territories*—Continued.

1880.

	States and Territories.	COLORED PERSONS FROM 15 TO 20 YEARS OF AGE, BOTH INCLUSIVE.			COLORED MALES FROM 15 TO 20 YEARS OF AGE, BOTH INCLUSIVE.			COLORED FEMALES FROM 15 TO 20 YEARS OF AGE, BOTH INCLUSIVE.		
		Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.	
		Number.	*Number*	*P. ct.*	*Number.*	*Number.*	*P. ct.*	*Number.*	*Number*	*P. ct.*
	The United States..	829, 317	520, 207	62. 7	398, 477	247, 468	62. 1	430, 840	272, 739	63. 3
1	Alabama	75, 947	56, 897	74. 9	35, 928	26, 673	74. 2	40, 019	30, 224	75. 5
2	Arizona	756	236	31. 2	539	136	25. 2	217	100	46. 1
3	Arkansas	23, 466	16, 371	69. 8	11, 143	7, 596	68. 2	12, 323	8, 775	71. 2
4	California	13, 763	4, 041	29. 4	11, 764	2, 860	24. 3	1, 999	1, 181	59. 1
5	Colorado	441	83	18. 8	271	58	21. 4	170	25	14. 7
6	Connecticut	1, 278	100	7. 8	641	45	7. 0	637	55	8. 6
7	Dakota	213	103	48. 4	103	52	50. 5	110	51	46. 4
8	Delaware	3, 512	1, 680	47. 8	1, 819	863	47. 4	1, 693	817	48. 3
9	District of Columbia.	6, 523	1, 490	22. 8	2, 490	519	20. 8	4, 033	971	24. 1
10	Florida	15, 669	9, 991	63. 8	7, 032	4, 392	62. 5	8, 637	5, 599	64. 8
11	Georgia	91, 920	70, 234	76. 4	43, 709	33, 185	75. 9	48, 211	37, 049	76. 8
12	Idaho	191	37	19. 4	182	30	16. 5	9	7	77. 8
13	Illinois	5, 307	1, 185	22. 3	2, 559	598	23. 4	2, 748	587	21. 4
14	Indiana	4, 837	858	17. 7	2, 274	411	18. 1	2, 563	447	17. 4
15	Iowa	1, 229	191	15. 5	651	112	17. 2	578	79	13. 7
16	Kansas	5, 236	1, 452	27. 7	2, 490	728	29. 2	2, 746	724	26. 4
17	Kentucky	35, 806	21, 787	60. 8	17, 250	11, 092	64. 3	18, 556	10, 695	57. 6
18	Louisiana	52, 072	38, 721	74. 4	23, 536	17, 476	74. 3	28, 536	21, 245	74. 4
19	Maine	230	50	21. 7	117	18	15. 4	113	32	28. 3
20	Maryland	26, 568	12, 729	47. 9	12, 423	6, 155	49. 5	14, 145	6, 574	46. 5
21	Massachusetts	1, 886	70	3. 7	847	37	4. 4	1, 039	33	3. 2
22	Michigan	2, 909	594	20. 4	1, 370	298	21. 8	1, 539	296	19. 2
23	Minnesota	453	144	31. 8	222	76	34. 2	231	68	29. 4
24	Mississippi	78, 415	52, 825	67. 4	36, 502	24, 167	66. 2	41, 913	28, 658	68. 4
25	Missouri	20, 042	8, 064	40. 2	9, 561	4, 077	42. 6	10, 481	3, 987	38. 0
26	Montana	354	161	45. 5	225	83	36. 9	129	78	60. 5
27	Nebraska	283	66	23. 3	124	27	21. 8	159	39	24. 5
28	Nevada	1, 096	368	33. 6	825	236	28. 6	271	132	48. 7
29	New Hampshire	82	9	11. 0	37	6	16. 2	45	3	6. 7
30	New Jersey	4, 430	670	15. 1	2, 075	292	14. 1	2, 355	378	16. 1
31	New Mexico	1, 402	1, 305	93. 1	736	667	90. 6	666	638	95. 8
32	New York	7, 013	763	10. 9	3, 083	367	11. 9	3, 930	396	10. 1
33	North Carolina	67, 003	45, 902	68. 5	32, 678	22, 174	67. 9	34, 325	23, 728	69. 1
34	Ohio	9, 735	1, 279	13. 1	4, 639	691	14. 9	5, 096	588	11. 5
35	Oregon	2, 065	551	26. 7	1, 893	481	25. 4	172	70	40. 7
36	Pennsylvania	9, 691	1, 327	13. 7	4, 162	525	12. 6	5, 529	802	14. 5
37	Rhode Island	551	61	11. 1	246	32	13. 0	305	29	9. 5
38	South Carolina	73, 640	52, 936	71. 9	34, 465	24, 105	69. 9	39, 175	28, 831	73. 6
39	Tennessee	51, 730	32, 137	62. 1	24, 930	15, 808	63. 4	26, 800	16, 329	60. 9
40	Texas	48, 141	33, 309	69. 2	22, 572	15, 635	69. 3	25, 569	17, 674	69. 1
41	Utah	237	113	47. 7	157	60	38. 2	80	53	66. 2
42	Vermont	132	15	11. 4	60	10	16. 7	72	5	6. 9
43	Virginia	77, 629	47, 477	61. 2	37, 024	23, 629	63. 8	40, 605	23, 848	58. 7
44	Washington	1, 236	329	26. 6	928	191	20. 6	308	138	44. 8
45	West Virginia	3, 352	1, 276	38. 1	1, 728	666	38. 5	1, 624	610	37. 6
46	Wisconsin	712	192	27. 0	359	106	29. 5	353	86	24. 4
47	Wyoming	134	28	20. 9	108	23	21. 3	26	5	19. 2

TABLE CXXXVII.—*Illiteracy by states and territories*—Continued.

1880.

COLORED PERSONS OF 21 YEARS OF AGE AND UPWARD.			COLORED MALES OF 21 YEARS OF AGE AND UPWARD.			COLORED FEMALES OF 21 YEARS OF AGE AND UPWARD.			
Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.		Enumerated.	Returned as unable to write.		
Number.	*Number.*	*P. ct.*	*Number.*	*Number.*	*P. ct.*	*Number.*	*Number.*	*P. ct.*	
2, 937, 235	2, 147, 900	73. 1	1, 487, 344	1, 022, 151	68. 7	1, 449, 891	1, 125, 749	77. 6	
246, 075	206, 878	84. 1	118, 423	96, 408	81. 4	127, 652	110, 470	86. 5	1
3, 075	633	20. 6	2, 352	422	17. 9	723	211	29. 2	2
88, 690	68, 444	77. 2	46, 827	34, 360	73. 2	41, 863	34, 144	81. 6	3
75, 189	22, 100	29. 4	66, 809	16, 857	25. 2	8, 380	5, 243	62. 6	4
2, 142	465	21. 7	1, 520	289	19. 0	622	176	28. 3	5
7, 239	1, 497	20. 7	3, 532	696	19. 7	3, 707	801	21. 6	6
1, 085	458	42. 2	641	210	32. 8	444	248	55. 9	7
12, 658	7, 935	62. 7	6, 396	3, 787	59. 2	6, 262	4, 148	66. 2	8
32, 777	19, 447	59. 3	13, 918	7, 520	54. 0	18, 859	11, 927	63. 2	9
53, 897	39, 753	73. 8	27, 489	19, 110	69. 5	26, 408	20, 643	78. 2	10
293, 421	247, 318	84. 3	143, 471	116, 516	81. 2	149, 950	130, 802	87. 2	11
3, 288	943	28. 7	3, 126	869	27. 8	162	74	45. 7	12
24, 327	10, 397	42. 7	13, 686	5, 271	38. 5	10, 641	5, 126	48. 2	13
19, 834	8, 806	44. 4	10, 739	4, 345	40. 5	9, 095	4, 461	49. 0	14
5, 228	1, 958	37. 5	3, 025	1, 009	33. 4	2, 203	949	43. 1	15
20, 315	11, 498	56. 6	10, 765	5, 623	52. 2	9, 550	5, 875	61. 5	16
120, 349	90, 738	75. 4	58, 642	43, 177	73. 6	61, 707	47, 561	77. 1	17
218, 167	178, 789	82. 0	107, 977	86, 555	80. 2	110, 190	92, 234	83. 7	18
1, 238	335	27. 1	664	144	21. 7	574	191	33. 3	19
100, 107	66, 357	66. 3	48, 584	30, 873	63. 5	51, 523	35, 484	68. 9	20
12, 026	2, 221	18. 5	5, 956	941	15. 8	6, 070	1, 280	21. 1	21
11, 417	3, 758	32. 9	6, 130	1, 852	30. 2	5, 287	1, 906	36. 1	22
1, 945	769	39. 5	1, 086	364	33. 5	859	405	47. 1	23
262, 744	208, 122	79. 2	130, 278	99, 068	76. 0	132, 466	109, 054	82. 3	24
66, 321	40, 357	60. 9	33, 042	19, 028	57. 6	33, 279	21, 329	64. 1	25
2, 381	777	32. 6	1, 908	483	25. 3	473	294	62. 2	26
1, 424	496	34. 8	844	256	30. 3	580	240	41. 4	27
6, 653	1, 638	24. 6	5, 622	1, 194	21. 2	1, 031	444	43. 1	28
448	81	18. 1	237	42	17. 7	211	39	18. 5	29
21, 921	7, 844	35. 8	10, 670	3, 560	33. 4	11, 251	4, 284	38. 1	30
5, 641	5, 209	92. 3	3, 095	2, 779	89. 8	2, 546	2, 430	95. 4	31
41, 348	10, 134	24. 5	20, 059	4, 521	22. 5	21, 289	5, 613	26. 4	32
215, 649	174, 152	80. 8	105, 018	80, 282	76. 4	110, 631	93, 870	84. 8	33
40, 940	14, 152	34. 6	21, 706	7, 041	32. 4	19, 234	7, 111	37. 0	34
8, 651	2, 387	27. 6	7, 993	2, 005	25. 1	658	382	58. 1	35
48, 869	15, 551	31. 8	23, 892	6, 845	28. 6	24, 977	8, 706	34. 9	36
4, 221	1, 139	27. 0	1, 886	467	24. 8	2, 335	672	28. 8	37
244, 129	200, 063	81. 9	118, 889	93, 010	78. 2	125, 240	107, 053	85. 5	38
166, 839	126, 939	76. 1	80, 250	58, 601	73. 0	86, 589	68, 338	78. 9	39
155, 069	121, 827	78. 6	78, 639	59, 669	75. 9	76, 430	62, 158	81. 3	40
958	518	54. 1	695	356	51. 2	263	162	61. 6	41
541	129	23. 8	314	82	26. 1	227	47	20. 7	42
267, 612	214, 340	80. 1	128, 257	100, 210	78. 1	139, 355	114, 130	81. 9	43
4, 553	1, 884	41. 4	3, 419	1, 126	32. 9	1, 134	758	66. 8	44
11, 899	7, 539	63. 4	6, 384	3, 830	60. 0	5, 515	3, 709	67. 3	45
2, 857	981	34. 3	1, 550	474	30. 6	1, 307	507	38. 8	46
1, 078	144	13. 4	939	84	8. 9	139	60	43. 2	47

TABLE CXXXVII.—*Illiteracy by states and territories*—Continued.

1870.

	States and Territories.	CANNOT READ.	CANNOT WRITE—PERSONS 10 YEARS OF AGE AND UPWARD.									
		Persons 10 years of age and over.	Total.	Native.	Foreign-born.	White.						
						10 to 15.		15 to 21.		21 and over.		
						Male.	Female.	Male.	Female.	Male.	Female.	
	United States	4,528,084	5,658,144	4,880,271	777,873	294,422	245,690	207,578	209,533	748,970	1,145,718	
1	Alabama	349,771	383,012	382,142	870	13,214	11,016	9,642	9,757	17,429	31,001	
2	Arizona	2,690	2,753	262	2,491	177	122	242	254	1,167	767	
3	Arkansas	111,799	133,339	133,043	296	7,985	6,814	6,703	7,213	13,610	21,770	
4	California	24,877	31,716	9,520	22,196	1,092	849	1,179	839	12,362	9,837	
5	Colorado	6,297	6,823	6,568	255	483	487	498	717	2,305	2,074	
6	Connecticut	19,680	29,616	5,678	23,938	1,339	1,191	1,266	1,444	8,990	13,683	
7	Dakota	1,249	1,563	758	805	56	58	44	47	403	306	
8	Delaware	19,356	23,100	20,631	2,469	1,045	833	718	652	3,466	4,566	
9	Dist. Columbia	22,845	28,719	26,501	2,218	366	293	150	311	1,214	2,542	
10	Florida	66,238	71,803	71,235	568	2,691	2,392	2,146	2,199	3,876	5,600	
11	Georgia	418,553	468,593	467,503	1,090	19,843	16,654	13,101	12,911	21,899	40,531	
12	Idaho	3,293	3,388	138	3,250	17	19	9	19	315	107	
13	Illinois	86,368	133,584	90,595	42,989	6,562	5,303	7,208	6,893	40,801	56,857	
14	Indiana	76,634	127,124	113,185	13,939	5,582	4,779	7,325	7,093	36,331	57,651	
15	Iowa	24,115	45,671	24,979	20,692	3,401	2,457	2,044	1,636	14,782	19,825	
16	Kansas	16,369	24,550	20,449	4,101	1,491	1,099	1,311	908	5,994	6,175	
17	Kentucky	249,567	332,176	324,945	7,231	31,752	26,014	18,724	18,036	43,826	62,725	
18	Louisiana	257,184	276,158	268,773	7,385	7,130	6,395	4,710	4,926	12,048	15,540	
19	Maine	13,486	19,052	7,986	11,066	1,782	1,368	1,247	1,186	6,516	6,775	
20	Maryland	114,100	135,499	126,907	8,592	4,274	3,653	3,022	3,077	13,344	19,422	
21	Massachusetts	74,935	97,742	7,912	89,830	2,215	2,144	3,013	4,394	30,920	52,890	
22	Michigan	34,613	53,127	22,547	30,580	4,728	3,294	2,973	2,125	17,543	17,986	
23	Minnesota	12,747	24,413	5,558	18,855	2,122	1,680	1,014	975	8,041	10,109	
24	Mississippi	291,718	313,310	312,483	827	8,174	6,555	5,447	4,749	9,357	13,746	
25	Missouri	146,771	222,411	206,827	15,584	27,509	21,864	14,755	12,731	34,780	50,124	
26	Montana	667	918	394	524	69	36	29	29	399	81	
27	Nebraska	2,365	4,861	3,552	1,309	1,167	809	317	212	956	1,169	
28	Nevada	727	872	98	774	8	15	20	10	474	126	
29	New Hampshire	7,618	9,926	1,992	7,934	456	377	712	700	3,361	4,225	
30	New Jersey	37,057	54,687	29,726	24,961	2,987	2,546	2,113	2,309	14,515	21,916	
31	New Mexico	48,836	52,220	49,311	2,909	4,530	4,893	3,956	5,734	14,892	17,135	
32	New York	163,501	239,271	70,702	168,569	10,772	9,127	8,138	10,435	73,208	116,744	
33	North Carolina	339,789	397,690	397,573	117	20,240	18,407	15,384	16,527	33,111	62,728	
34	Ohio	92,720	173,172	134,102	39,070	15,064	11,372	8,568	7,491	41,439	68,449	
35	Oregon	2,609	4,427	3,003	1,424	572	388	161	109	1,085	1,096	
36	Pennsylvania	131,728	222,356	126,803	95,553	5,735	4,953	8,504	9,655	61,350	116,261	
37	Rhode Island	15,416	21,921	4,444	17,477	1,289	1,195	1,090	1,383	5,922	10,152	
38	South Carolina	265,892	290,379	289,726	653	7,299	6,375	5,411	5,691	12,490	17,901	
39	Tennessee	290,549	364,697	362,955	1,742	20,887	17,991	15,962	17,349	37,713	68,825	
40	Texas	189,423	221,703	203,334	18,369	11,171	8,748	7,144	6,482	17,505	19,845	
41	Utah	2,515	7,363	3,334	4,029	1,539	1,289	523	429	1,137	2,180	
42	Vermont	15,185	17,706	3,902	13,804	1,035	815	1,317	1,105	6,867	6,445	
43	Virginia	390,913	445,893	444,623	1,270	18,745	15,358	11,095	10,343	27,646	40,351	
44	Washington	1,018	1,307	804	503	71	58	44	34	437	179	
45	West Virginia	48,802	81,490	78,389	3,101	10,704	9,342	5,808	5,913	15,181	24,545	
46	Wisconsin	35,031	55,441	14,113	41,328	5,030	4,244	2,777	2,487	17,637	22,670	
47	Wyoming	468	602	266	336	22	19	14	14	326	86	

TABLE CXXXVII.—*Illiteracy by states and territories*—Continued.

1870.

CANNOT WRITE—PERSONS 10 YEARS OF AGE AND UPWARD—continued.																		
Colored.						Chinese. (*a*)						Indian.						
10 to 15.		15 to 21.		21 and over.		10 to 15.		15 to 21.		21 and over.		10 to 15.		15 to 21.		21 and over.		
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
243,083	227,510	237,021	273,500	862,243	946,332	180	13	908	181	5,439	474	767	698	782	1,082	2,495	3,525	
24,391	22,615	25,616	28,915	91,017	98,344	....	....	....	....	....	...	5	12	2	4	16	16	1
.....	.....	.....	.....	1	.....	....	....	....	....	5	...	1	2	2	4	4	5	2
5,352	4,982	5,863	6,655	23,681	22,689	3	....	....	....	1	...	3	2	2	....	3	8	3
24	21	30	34	468	339	130	13	471	147	1,730	362	110	71	146	197	701	564	4
4	4	13	14	63	48	....	....	....	....	....	...	9	11	18	23	7	45	5
69	62	83	130	627	704	....	....	....	....	....	...	....	2	2	2	7	15	6
1	1	3	8	6	12	....	....	....	....	....	...	64	73	58	70	147	206	7
925	860	1,054	1,011	3,765	4,205	....	....	....	....	....	...	....	....	....	....	....	....	8
972	1,160	1,117	2,238	7,599	10,757	....	....	....	....	....	...	....	....	....	....	....	....	9
4,190	3,513	4,957	5,376	16,806	18,052	....	....	....	....	....	...	....	....	....	....	5	....	10
33,364	31,253	31,295	34,813	100,551	112,361	....	....	....	....	....	...	2	2	....	2	5	6	11
1	.....	1	1	4	9	26	....	295	15	2,471	65	1	...	2	1	6	4	12
335	325	620	619	3,969	4,082	....	....	....	....	....	...	....	....	....	....	5	5	13
347	348	550	650	3,182	3,181	....	....	....	....	....	...	9	7	3	9	30	47	14
32	38	71	75	635	673	....	....	....	....	....	...	....	....	....	....	....	2	15
342	314	449	497	2,772	2,839	....	....	....	....	....	...	8	10	10	22	128	181	16
12,891	12,067	12,157	12,769	37,889	43,277	....	....	....	....	....	...	5	11	1	8	6	18	17
16,978	16,375	15,873	19,718	76,612	79,437	....	....	....	....	41	1	42	31	33	42	119	107	18
13	3	17	14	69	57	....	....	....	....	....	...	1	1	1	....	....	2	19
7,143	6,502	7,075	8,278	27,123	32,582	....	....	....	....	1	...	....	....	....	....	1	2	20
29	30	76	147	822	1,044	....	....	....	....	2	...	3	...	3	2	2	6	21
170	199	169	161	1,015	941	....	....	....	....	....	...	122	104	152	168	517	760	22
2	4	11	4	44	37	....	....	....	....	....	...	36	30	32	19	110	143	23
24,076	22,606	23,216	26,867	80,810	87,327	....	....	1	....	15	...	32	27	35	44	102	124	24
5,364	5,133	5,355	6,181	18,002	20,587	....	....	....	....	....	...	2	1	2	6	6	9	25
2	2	2	13	34	15	4	....	12	....	103	10	1	3	5	9	13	47	26
16	10	15	21	93	50	....	....	....	....	....	...	4	3	3	2	3	11	27
.....	.....	.....	.....	15	6	2	....	22	4	161	9	....	....	....	....	....	....	28
4	3	10	8	38	32	....	....	....	....	....	...	....	....	....	....	....	....	29
432	443	481	551	2,881	3,509	....	....	....	....	....	...	....	....	1	....	1	2	30
5	4	7	11	58	24	....	....	....	....	....	...	140	146	110	187	81	307	31
371	366	585	622	3,912	4,874	....	....	3	....	10	2	4	6	11	4	30	47	32
21,313	19,642	21,341	23,464	68,669	76,177	....	....	....	....	....	...	85	85	63	89	136	229	33
1,274	1,115	1,372	1,398	7,531	8,076	....	....	....	....	....	...	2	3	3	1	4	10	34
3	4	4	3	48	28	9	....	35	12	731	21	6	9	12	7	21	63	35
401	450	719	1,096	5,758	7,469	....	....	....	....	....	...	....	....	....	....	2	3	36
26	20	63	49	291	421	....	....	....	....	....	...	....	1	1	2	5	11	37
20,887	19,918	20,329	25,276	70,830	77,924	....	....	....	....	....	...	7	2	2	5	11	21	38
16,407	15,225	16,299	18,835	55,938	63,248	....	....	....	....	....	...	2	1	1	....	6	8	39
14,323	13,366	13,070	15,040	47,235	47,583	....	....	....	....	....	...	19	9	16	16	79	52	40
2	1	.....	1	8	10	6	....	54	2	149	4	5	2	6	11	2	3	41
3	3	16	12	45	37	....	....	....	....	....	...	....	....	1	....	2	3	42
29,723	27,710	26,161	31,047	97,908	109,687	....	....	....	....	1	...	5	10	9	11	37	46	43
2	2	4	2	15	9	....	....	....	....	....	...	8	7	14	90	70	261	44
861	804	844	860	3,186	3,442	....	....	....	....	....	...	....	....	....	....	....	....	45
12	7	25	16	185	115	....	....	....	....	....	...	24	11	18	20	59	104	46
1	.....	3	.....	33	12	....	....	15	1	18	...	....	3	2	5	6	22	47

a It would appear that some assistant marshals committed the fault of returning as illiterate the Chinese who could not write English while they were able to read and write their own language.

TABLE CXXXVII.—*Illiteracy by states and territories*—Continued.

1860.

States and Territories.	CANNOT READ AND WRITE—PERSONS 20 YEARS OF AGE AND UPWARD.						
	Total.	Native.	Foreign-born.	White.		Colored.	
				Male.	Female.	Male.	Female.
The United States	1,218,311	871,418	346,893	467,023	659,552	41,275	50,461
Alabama	38,060	37,302	758	14,517	23,088	192	263
Arizona	.....	.....	.....	.....	.....	.....	.....
Arkansas	23,665	23,587	78	9,379	14,263	10	13
California	19,693	11,509	8,184	11,835	7,154	497	207
Colorado	.....	.....	.....	.....	.....	.....	.....
Connecticut	8,833	925	7,908	3,405	5,083	181	164
Dakota	77	60	17	62	15	.....	.....
Delaware	13,169	11,503	1,666	2,838	3,823	3,056	3,452
District of Columbia	6,881	4,860	2,021	1,258	2,248	1,151	2,224
Florida	5,461	5,150	311	2,378	2,963	48	72
Georgia	44,257	43,550	707	16,900	26,784	255	318
Idaho	.....	.....	.....	.....	.....	.....	.....
Illinois	59,364	39,748	19,616	24,786	33,251	632	695
Indiana	62,716	55,903	6,813	24,297	36,646	869	904
Iowa	19,951	12,903	7,048	7,806	11,976	92	77
Kansas	3,067	2,695	372	1,228	1,776	25	38
Kentucky	70,040	65,749	4,291	28,742	38,835	1,113	1,350
Louisiana	19,010	15,679	3,331	8,051	9,757	485	717
Maine	8,598	2,386	6,212	4,282	*a* 4,270	25	21
Maryland	37,518	33,780	3,738	7,290	8,529	9,904	11,795
Massachusetts	46,921	2,004	44,917	16,969	29,293	291	368
Michigan	18,485	8,170	10,315	8,596	8,845	558	486
Minnesota	4,763	1,055	3,708	2,382	2,369	6	6
Mississippi	15,636	15,136	500	6,256	9,270	50	60
Missouri	60,545	51,173	9,372	24,255	35,405	371	514
Montana	.....	.....	.....	.....	.....	.....	.....
Nebraska	634	357	277	317	304	6	7
Nevada	150	40	110	138	5	6	1
New Hampshire	4,717	1,093	3,624	2,023	2,660	15	19
New Jersey	23,081	12,937	10,144	8,436	10,840	1,720	2,085
New Mexico	32,785	31,626	1,159	16,008	16,750	12	15
New York	121,878	26,163	95,715	47,703	68,262	2,653	3,260
North Carolina	74,977	74,877	100	26,024	42,104	3,067	3,782
Ohio	64,828	48,015	16,813	23,297	35,345	2,995	3,191
Oregon	1,511	1,200	311	762	737	7	5
Pennsylvania	81,515	44,930	36,585	27,560	44,596	3,893	5,466
Rhode Island	6,112	1,202	4,910	2,057	3,795	119	141
South Carolina	16,208	15,792	416	5,811	8,981	633	783
Tennessee	72,054	69,262	2,792	27,358	43,001	743	952
Texas	18,476	11,832	6,644	8,514	9,900	25	37
Utah	323	162	161	98	225	.....	.....
Vermont	8,916	933	7,983	4,467	4,402	27	20
Virginia (*b*)	86,452	83,300	3,152	31,178	42,877	5,489	6,908
Washington	438	207	231	295	142	1	.....
West Virginia	.....	.....	.....	.....	.....	.....	.....
Wisconsin	16,546	2,663	13,883	7,465	8,983	53	45
Wyoming	.....	.....	.....	.....	.....	.....	.....

a 1,000 added to state by reason of error in tabulation of 1860. *b* Includes West Virginia.

DEFECTIVE, DEPENDENT, AND DELINQUENT CLASSES.

1657

THE DEFECTIVE, DEPENDENT, AND DELINQUENT CLASSES.

DEPARTMENT OF THE INTERIOR,
CENSUS OFFICE,
Washington, D. C., December 22, 1882.

Hon. C. W. SEATON,
Superintendent of Census.

SIR: The most striking result of the effort made in the Tenth Census to obtain a complete and accurate enumeration of the defective, dependent, and delinquent classes of the population of the United States is the apparently great increase in their number, as compared with the figures given in any previous census.

THE AFFLICTED.

If we disregard the census of 1830 (in which the insane and idiotic were not enumerated) and that of 1840 (in which they were enumerated, not separately, but as forming a single class), then the following table exhibits for the four groups included under the term defective the increase referred to; but it must be remembered that this increase is less real than apparent:

Table showing the number of insane, idiotic, blind, and deaf-mutes in the United States, in the years named, respectively, according to the census.

Class.	1880.	1870.	1860.	1850.
Insane	91,997	37,432	24,042	15,610
Idiots	76,895	24,527	18,930	15,787
Blind	48,928	20,320	12,658	9,794
Deaf-mutes	33,878	16,205	12,821	9,803
Totals	251,698	98,484	68,451	50,994

The total population for each of the years named was as follows: In 1850 it was 23,191,876; in 1860, 31,443,321; in 1870, 38,558,371; and in 1880, 50,155,783. In other words, although the population has a little more than doubled in thirty years, the number of defective persons returned is nearly five times as great as it was thirty years ago.

During the past decade (or since 1870) the increase in population has been 30 per cent.; but the apparent increase in the defective classes has been a little more than 155 per cent. The table on page 1660 shows the number of each class in 1,000,000 of the population, as reported in the census.

Table showing the number of insane, idiotic, blind, and deaf-mutes in each million of the population in each of the years named.

Class.	1880.	1870.	1860.	1850.
Insane	1,834	971	765	673
Idiots	1,533	636	602	681
Blind	976	527	403	422
Deaf-mutes	675	420	408	423
Totals	5,018	2,554	2,178	2,199

It is not possible to believe that there has, in fact, been any such increase of the defective classes as is indicated by the figures given in the tables above. The inference is irresistible that either the enumeration in 1880 is excessive, or else it was incomplete in 1870 and in the years previous.

The accuracy of the census of these special classes has been from the beginning a matter of doubt on the part of those most conversant with them. Mr. F. B. Sanborn, of Massachusetts, is quoted in the census of 1870 (Compendium, page 626) as having expressed the opinion that "the number reported in the census, be it state or national, rarely embraces more than 60 or 70 per cent. of their respective classes". But if we accept Mr. Sanborn's estimate, and make it the basis of a calculation; if we increase the number of defectives returned in 1870 by 40 per cent., and make it 137,878, instead of 98,484, even then the increase during the past 10 years, as shown by the census, would appear to have been more than 80 per cent.

The difficulty of enumerating the defective classes with any approach to accuracy is very great. In the first place, there are no distinct boundary lines between normal and abnormal conditions of the senses or of the nervous system. How often the sanity or insanity of persons occupying the diffused border line between the two is a matter of furious controversy in newspapers and before the courts. It is almost as hard to say who should be classed as an idiot as it would be to determine at what stage of intemperance one becomes a drunkard. Different observers would form different conclusions. Similarly, it is difficult to say at what stage of impaired vision one becomes blind, or of impaired hearing deaf. Yet the determination of these difficult questions is necessarily left to the untrained judgment either of the enumerator or of the head of the house, or it may be of the servant who comes to the door.

But if there were no obstacle in the way of determining who ought to be included in the defective classes, there would be an almost insurmountable obstacle in the reluctance of friends to publish the infirmities of those dear to them, and the respect felt for this sentiment by enumerators, who hesitate to put disagreeable and, possibly, needless questions.

The first of these difficulties cannot, in the nature of things, be surmounted. To overcome the second, resort was had in the Tenth Census to a number of expedients, particularly to a system of "special"

schedules, one for each separate class which it was intended to enumerate separately. Each enumerator was required to transfer to its proper schedule the name of every defective person enumerated by him, and upon that schedule to answer certain definite questions applicable to him as a member of the class to which he was supposed to belong. For this extra service the enumerator was offered additional compensation; and it was impressed upon him that he should make special effort to find these defective persons and make a full report of each case. He was instructed to counsel with physicians upon this point and to make inquiries of neighbors, and to report all defectives, whether the information respecting them should be derived from the families to which they belonged or from other sources, if in his judgment it was worthy of confidence.

With respect to the idiotic and the insane, correspondence was had, in addition, with about 100,000 physicians of the United States, who were furnished with blank forms of return, and were requested to report to the Census Office all lunatics and idiots within the sphere of their personal observation and knowledge. Replies were received from four-fifths of those addressed—a result creditable in the highest degree to the public spirit and devotion to science of the medical profession in America—and the names reported by the voluntary observers were, after comparing them with the list returned by the enumerators and carefully purging out duplicates, added to the names already reported.

By the use of the agencies just described it is believed that a much more perfect enumeration of the defective classes, especially of the insane and idiotic, has been secured than ever before in the history of this or perhaps of any other nation.

All possible care has been taken to secure accuracy in the enumeration of the defectives, but it would be claiming too much to assert that the census lists are, even after all the labor bestowed upon them, absolutely accurate. It is certain that names have not been returned to this office which should have been reported; it is also certain that other persons have been improperly reported; but it is thought that these errors must very nearly balance each other. There is, too, a tendency to make duplicate returns of the same person, in the one case at his home and in the other at the institution of which he is an inmate, which has imposed much extra work upon the clerical force in the office, in order to prevent swelling the total number of defectives. One of the great arts of this census of the defective classes is the art of purging out duplicates. Possibly some duplications remain undiscovered; but the percentage of error from this source has been reduced to a minimum. The figures given in the tables are published in the firm conviction that they are as nearly correct as it is possible to make them at the present time with our present facilities for procuring them.

Of these various forms of affliction, the one which causes the most distress, both to the victim and to the circle of his personal friends and acquaintances, is insanity. The interest felt in its ravages leads

to the frequent reiteration of an inquiry which is vaguely formulated in the common question: Is insanity increasing in this country relatively to the population? But before this question can be answered, it is essential to know what the inquirer means. If he means nothing more than to ask whether the aggregate number of the insane is increasing, but one reply is possible, and that so obvious as to excite wonder that the question should be put at all. For its solution no census is requisite; it is only necessary to notice the steady growth in the number and capacity of hospitals and asylums for the care of the insane and the utter failure of the provision made to overtake and keep pace with the demand for such provision. If, on the contrary, the inquirer desires to know whether, in the year 1880, the number of new cases—that is, of cases of insanity of less than one year's duration—is larger in proportion to the population than it was in 1870, the reply to this question, so much more precise and penetrating than the other, is a matter of opinion, rather than of statistics, for the reason that the statistical data at our command are not sufficient to enable us to answer it. Yet this is much the more important inquiry of the two; for although the increase of the mass implies an increase of the aggregate amount of sorrow in the world, it does not involve increased liability to insanity on the part of the same, which is probably the peril in the mind of the questioner. An increase in the ratio of new cases to the total population would be an alarming social symptom.

The insane population grows, as the general population does, through the excess in the number of additions to the mass beyond the number of diminutions or losses. In the case of the population at large, the increase is measured by the number of births and of immigrants, less the number of deaths and of emigrants. The increase in the insane population is measured by the number of new cases, including relapses, less the recoveries and the deaths. Now we do not know the number of new cases within the year, nor the number of deaths, nor the number of recoveries. Hence it is very difficult to form any correct, intelligible notion of the nature and causes of that growth of the mass, which, regarded alone, lies upon the surface and is palpable to the dullest observer. Whether the replies to the questions as to the duration of the disease in individual cases contained in the special schedules returned to the Census Office will shed light upon what is now so obscure or prove to be an actual contribution to the ultimate solution of the problem remains to be seen. So far as any dependence can be placed upon the information furnished, it would certainly appear that, assuming their general or approximate accuracy, we might deduce from them a formula expressive of the ratio between the number of recent cases and the total number of cases, and from that we might proceed to estimate the number of new cases occurring within the course of twelve months, which would give us the rate of addition to the mass, which is one of the elements of the problem to be solved. On the other hand, a study of the present ages of the insane in relation to the age at which

the first attack is said to have occurred in each reported case might enable us to arrive at such conclusions respecting the expectation of insanity in the sane and the expectation of life in the insane as to afford a provisional basis for a theory of the rate of diminution or loss, which would serve as a working theory until it could be established, amended, or disproved by subsequent researches. What we need is to know, first, whether the rates of gain and loss are fixed or variable; second, what relation exists between the two; and, third, whether the rate of addition is increasing faster than the rate of increase of the population, after deducting the recoveries and deaths.

In dealing with the insane and idiotic population as returned to this office it was found to be necessary to adopt some arbitrary rule for discriminating between the two. In the census of 1840 they were not distinguished, but grouped together as a single class. Since then an attempt has been made in the direction of separation of the two classes, but with what imperfect success will be apparent when attention is directed to the fact that in 1850 the number of idiots reported exceeded that of the insane, but in 1860 the number of insane exceeded that of idiots by twenty-seven per cent., and in 1870 by fifty-two per cent. In the present census the number of insane exceeds that of idiots by only about nineteen per cent., which is still believed to be too high. The reason for the belief here expressed is that insanity in adults is much more readily and surely recognized than is idiocy in infants and very young children; but insanity is for the most part, if not altogether, a disease of mature life, while idiocy, true idiocy, as distinguished from the dementia which results from insanity, is in its origin exclusively a disease of childhood, and is often due to pre-natal conditions. The number of idiots must be, in fact, nearly or quite equal to that of the insane; but the fact does not appear in the census, because so many idiots are unreturned. The distinction between insanity and idiocy is admitted to be subtle; it necessarily eludes the powers of observation and discrimination of the majority of enumerators, and therefore but slight dependence can be placed upon their classification. So little value was believed to attach to it, in the face of any conflicting testimony or evidence, that it was decided to accept it as final wherever uncontradicted, but wherever the answer to the question upon the schedule as to the age at which idiocy or the first attack of insanity occurred was inconsistent with the enumerator's theory of the character of the disability there the original return has been amended in the office. That is to say, if any person whose name was borne upon the list of the insane was reported to have been insane from birth, he has been transferred to the list of idiots; and if any person whose name was borne upon the list of idiots was reported to have become an idiot at the age of forty, he has been transferred to the list of insane, on the ground that the so-called idiocy was actual dementia. Since it was necessary to establish some age as the limit of this rule, the age of puberty was taken;

that is, twelve in girls and fourteen in boys. This rule was not adopted until after consultation with a number of eminent alienists. It is believed that its adoption has secured upon the whole number of cases a very much more nearly correct result than would have been possible if no such corrections had been made. But its application to individual cases is not always correct, and the risk is taken of errors in the returns made as to the age at which the malady, whatever its nature, overtook its victim. What has now been said will explain the fact that from some hospitals for the insane a few idiots are reported, though they are not returned as such by the officers of the institutions.

Attention is called to the special tables showing the number of defectives in institutions designed especially for their benefit. According to these tables, of 91,997 insane in the United States there were in hospitals and asylums for the insane (not including those in almshouses) 40,942, or over forty-four per cent. of the entire number; of 76,895 idiots, there were in training-schools for the feeble-minded 2,429, or a little over three per cent.; of 48,928 blind, there were in schools and industrial homes for the blind 2,158, or less than four and a half per cent.; and of 33,878 mutes, there were in schools for the deaf (not counting those under instruction in day schools, and so not enumerated) 5,267, or nearly sixteen per cent. This statement may serve to give a summary notion of the urgency of the demand for institutions of the several descriptions named, both in the aggregate and in proportion to the number of individuals in each of the four great defective classes.

One reason for the small number of institutions for the blind and for the small number of inmates in each institution is that blindness is an infirmity much more likely to overtake the aged than the young. Deafness, on the contrary, attacks the young with great violence. Of the entire number of the deaf, about one-half are between the ages of five and twenty-one; but of the blind, not more than one-sixth. The proportion of congenitally deaf is more than one-half, but of congenitally blind less than one-seventh of the total number of the two classes, respectively.

The following table is a summary statement of the number in each of the four classes, by sex, nativity, and race:

Table showing the number of insane, idiots, blind, and deaf-mutes in the United States, by sex, nativity, and race.

Class.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
Insane	91, 997	44, 408	47, 589	65, 651	26, 346	85, 840	*a* 6, 157
Idiots	76, 895	45, 309	31, 586	72, 888	4, 007	67, 316	*b* 9, 579
Blind	48, 928	26, 748	22, 180	40, 599	8, 329	41, 278	*c* 7, 650
Deaf-mutes	33, 878	18, 567	15, 311	30, 507	3, 371	30, 661	*d* 3, 217
Totals	251, 698	135, 032	116, 666	209, 645	42, 053	225, 095	26, 603

a Including 105 Chinese, 53 Indians, 1 Japanese, and 2 East Indians.
b Including 5 Chinese and 84 Indians.
c Including 22 Chinese and 244 Indians.
d Including 3 Chinese and 37 Indians.

The preceding table may be converted into another, as follows, in which the ratios of males to females, of native to foreign, and of white to colored are reduced to a common term, in order to facilitate comparisons between the several classes.

Table showing the number of individuals in each 100,000 *in each of the classes named, who are male or female, native or foreign, white or colored.*

Class.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
Insane	100,000	48,271	51,729	71,362	28,638	93,307	6,693
Idiots	100,000	58,923	41,077	94,789	5,211	87,543	12,457
Blind	100,000	54,668	45,332	82,977	17,023	84,365	15,635
Deaf-mutes	100,000	54,805	45,195	90,050	9,950	90,504	9,496
Totals	100,000	53,648	46,352	83,292	16,708	89,431	10,569

From this table it appears that insanity attacks women more often than it does men, but that, on the other hand, men are more liable to the other three forms of misfortune than are women. The negro population is much more liable to idiocy than to insanity. Both the negro and the foreign population are singularly more liable to blindness than to deafness. The tendency to insanity among the foreign population is especially worthy of attention. It may be accounted for in many ways: for instance, by the change of climate and of habits of life, by the increased anxiety and effort to advance in the scale of social respectability, by homesickness, and in general by the removal of the props which sustain and steady a man who does not emigrate, but remains in the vicinity where he was born. The same increased tendency to insanity may be discovered (but in a less marked degree) in Americans who remove from one section of the country to another, especially from the Atlantic to the Pacific coast.

The interest and importance of the inquiry into the number and condition of the defective classes, and of the criminal and pauper population, arises from the fact that these are burdens to be borne—drains upon the vitality of the community. When we consider the growth of our population and of our material resources, we are in danger of forgetting that there is another side to the picture. It is startling to know that of fifty millions of inhabitants, over four hundred thousand are either insane, idiots, deaf-mutes, or blind, or are inmates of prisons, reformatories, or poorhouses. If to these we add the outdoor poor and the inmates of private charitable institutions, the number will swell to nearly or quite half a million, or one per cent. of the total population. We cannot begin too soon or prosecute too vigorously the inquiry into the causes of the prevalence of these evils, which are like a canker at the heart of all our prosperity. Nothing can be more important than for us to ascertain at the earliest possible moment the rate at which they are increasing and the means of arresting their growth. The subject is obscure, but in the study of it we may almost be said to have our finger upon the pulse of the nation.

PAUPERISM.

It is almost if not quite impossible to obtain the statistics of pauperism. The first question to be decided is: Who are paupers? Paupers, in the strict sense of the word, are poor persons supported in whole or in part at the expense of some public fund, raised by taxation, whether such fund belongs to a state, county, city, or town. The poor laws recognize the right of every man, who, through infirmity of body or mind, is unable to provide for his own necessities, to receive aid at the hands of the community of which he is a member, and his membership in a given community depends ordinarily upon the length of his residence, it being much easier to acquire a settlement in a new than in an older community. But the community has the right to choose for itself the form and measure of relief. It therefore becomes a perpetually recurring question whether to provide for the permanently poor in almshouses or outside. This is a question which is answered in one way by one community and by another in another, and even in the same community it is answered in one way at one time and in another at another. The indoor poor, as the paupers in almshouses are called, can be found and counted with comparative ease, but how are we to know when we have succeeded in finding the outdoor poor? The aid extended outside the almshouse is of great variety, both in kind and in amount. Sometimes it is equivalent to full support; more often it is temporary and partial. It may assume the form of a direct contribution in money, or of an order upon a store for supplies, or of medical attendance in case of sickness, or of burial in case of death, to say nothing of other expenses sometimes met from the public treasury, such as the cost of the transportation of the pauper as far as the next county; but whatever it may be, the records kept of it are as incomplete as can well be imagined. It is ordinarily within the discretion of some supervisor, overseer of the poor, or poormaster, whose disbursements are so limited in amount that they are not reported except in gross. He makes no return of names, but possibly gives an order on a store, and the bills for pauper relief are so mixed with items for other uses that they cannot be separated. The pauper fund is not usually separated from the general fund, and in most states the town or county officials have no thought of keeping any statistical record of pauperism. As to finding the outdoor paupers by inquiring for them from door to door, that is impossible. All that has been attempted in the present census, therefore, has been to give as accurate an account as possible of the almshouse population.

Even this, however, is not so easy a task as it may seem. What is an almshouse? Where a county or a town owns a farm or a piece of ground and the buildings on it, and these buildings are set apart for the care of paupers, there can be no dispute as to the character of the establishment, even though, in case it contains not more than two or

three inmates, it may not be apparent from an inspection of the population schedule that it is an almshouse. But the county may rent a farm, instead of owning one, or it may not rent any farm, but may hire some one who does own a farm to receive and care for such paupers as may be sent him; and it may send all its paupers to a single contractor, or it may distribute them over the county, in the care of a number of private persons. The most diligent search has been made for almshouses wherever there has been a possibility of finding one, and it is not possible that any considerable number of them or any individual establishment of importance has been overlooked. But there remains the difficulty of deciding what institutions other than almshouses also contain persons who should be counted as paupers. The pauper insane are often sent to hospitals or asylums owned by the state, where they are maintained sometimes at the expense of the state and sometimes at the expense of the county or town to which they belong; or paupers not insane, pauper children, for instance, may be placed in private charitable institutions for care, and an allowance made from the public funds in consideration of the service rendered. It would require an almost unlimited acquaintance with all sorts of local conditions and usages to enable us to say at any stage of our investigation that we have now succeeded in finding and enumerating all known paupers in the United States. The figures here given are the best attainable at the present time; nothing more is claimed for them.

But the form of presenting them will, it is hoped, satisfy the inquirer that the figures given are worthy of implicit trust, so far as they go. Whatever fault attaches to them is incompleteness rather than error. As they are, however, compiled upon a different principle from those contained in the census heretofore, comparisons founded upon them will be apt to be misleading.

The total number of paupers enumerated in almshouses, so far as ascertained, is 67,067, namely: Male paupers, 35,952; female, 31,115; native, 44,106; foreign, 22,961; white, 61,310; colored, 5,757 (including 18 Chinese and 33 Indians). To these may be added, if any one is so disposed, 21,598 outdoor paupers reported to the Census Office, but no reliance whatever can be placed upon this figure. It is very far below the actual number, as will be apparent when it is stated, by way of illustration, that only 13 outdoor poor are returned from the city of Boston.

PRISONERS.

According to the tables herewith printed the number of prisoners in confinement in the United States, June 1, 1880, was 59,255.

But, on the one hand, this total includes a certain number of prisoners in county jails, not convicted, but awaiting trial. It also includes not only the convict insane, but insane persons not charged with crime, who are in prison for temporary safe-keeping.

On the other hand, it does not include prisoners held for debt, of whom 48 are reported, nor of witnesses, of whom there are reported 107. Neither does it include 11,340 inmates of juvenile reformatories, of which a separate list will be found among the printed tables.

It is difficult, if not impossible, to say how many of these juvenile delinquents, if any, should be added to the number of prisoners, since the laws under which they are committed are so dissimilar in the several states. In Illinois the supreme court has held that the state reform school is a prison. In other states the opposite doctrine has been affirmed, namely, that a house of refuge is not a prison, but that the state stands to its inmates *in loco parentis*. Accordingly, it is the usual practice to commit juvenile offenders to a house of refuge during their minority, and to give the managers power to bind them out to individuals, or even to grant conditional releases. Some reformatories receive refractory boys and girls at the request of their parents or guardians, and some even charge a weekly rate for the maintenance and tuition of such children, which is paid by their friends. As a general rule, they all receive children committed for no other offense than that of vagrancy or truancy. Hence, they have been separated from prisons properly so called.

The prisoners included in the enumeration were found in prisons of different grades and character, as follows: In penitentiaries (prisons for felons, confined for the most part, if not altogether, at hard labor), 30,623; in workhouses and houses of correction (prisons for misdemeanants, also confined at hard labor), 7,864; in jails (used both as houses of detention and also as places for the confinement, in idleness, of sentenced misdemeanants), 12,815; in city prisons, lockups, calabooses, station-houses, etc. (almost wholly used as places of detention merely, and that for very short periods), 1,572; at work, singly or in gangs, outside of prison walls (under lessees, or under county officials, as the case may be), 4,883; in military prisons (many of them for no more serious offense than some breach of military regulations, and some for crimes and misdemeanors), 493; in hospitals for the insane (to which they have been transferred from prisons for medical reasons), 350; miscellaneous, 655; total, 59,255. According to this statement, about 16,000 prisoners are maintained in idleness, while about 43,000 contribute in greater or less degree toward the cost of their own support during their incarceration.

The item "miscellaneous" needs explanation. Reference has already been made to the tendency to duplication in the enumeration of the population. In the case of prisoners this was especially unlooked for; but large numbers of persons incarcerated even in penitentiaries were also reported at their homes, as if at home, when they were not. After searching for these duplicates with long and patient industry there remained in the end 655 names apparently reported at their homes who could not be located in any prison returned to this office. Whether they are borne upon the prison schedules under some *alias* it is impos-

sible to say; or whether, unknown to their friends, they have received their discharge. Some of them, in the southern states, may be convicts leased out to private persons upon farms or plantations, and the names of some of them may have been entered as prisoners through misapprehension, or even from a malicious motive. This number (655) represents the doubtful cases, whose true nature has not been resolved. The system of leasing prisoners in vogue through the South (with the exception of the states of Missouri, Kentucky, and West Virginia) is another matter which may not be generally understood elsewhere, and abroad especially. States which have penitentiaries often hire a portion of the convicts sentenced to them to lessees, to be worked outside the prison walls, as house servants, farm laborers, mill-hands, etc., or employed in gangs in the construction of railways, or in mining or in felling timber.

A very singular case is reported in one of the southern states, which can, it is believed, be authenticated, in which a man convicted of manslaughter was leased out to his own wife, and in that capacity permitted to return to his own home. However improbable this may appear, it is certainly not impossible under the system.

Two states, Florida and Georgia, own neither land nor buildings to be occupied as a penitentiary, but lease out all their penitentiary convicts to private parties, not officers of the government, who employ them whenever and at whatever kind of labor they will. In Texas the number of convicts outside the walls of the penitentiary is nearly equal to that confined inside. Not only penitentiary convicts, but those in county prisons, may be leased out; and in Virginia, as well as in Georgia, the law recognizes and provides for "chain gangs", while in Alabama the same thing in substance is known as "hard labor for the county".

Of the 59,255 prisoners, 54,186 were males and 5,069 females, 46,338 native and 12,917 foreign, 42,294 white and 16,961 colored. Among the colored are included: Chinese, 531; Japanese, 1; Indians, 161.

The census of prisoners was first taken in 1850. The number then returned was 13,474. In 1860 it was 38,172; in 1870, 32,901 (a falling off). In 1880, as stated, it was 59,255. Unfortunately, the statistics of former years are not to be relied upon. No question can be more important or, rightly considered, of greater interest than whether crime is increasing more rapidly than it should, in comparison with the growth of the population; but it cannot be answered from the census as it has been taken in the past. It has been customary in the census to include a column for the number of persons convicted during the twelve months immediately preceding, but the extraordinary variations in the figures returned from one census to another wholly discredit them. The most striking instance of this variation is in the case of the state of New York, in which there are said to have been 10,279 convictions in 1849–'50, but 58,067 convictions in 1859–'60, and only

5,473 convictions in 1869–'70. Such results are worse than useless, because they mislead the general reader, who, of necessity, has but a partial view of the field of investigation. We have in this country no criminal statistics to be placed by the side of those of other nations, like, for instance, the judiciary statistics of England, and it is impossible to obtain any correct statement, or even any approximate notion, of the number of convictions within any given period of time in any other way than by consulting the original dockets of magistrates and courts having criminal jurisdiction.

A complete study of crime in the United States would include, first, the examination of the criminal codes of the several states, in order to determine to what extent and in what particulars they differ from each other; second, the collection and digestion of the statistics of criminal procedure under the several codes; third, a knowledge of the amount and character of punishment inflicted upon persons convicted of crimes or misdemeanors. To these three particulars may be added a fourth, which is subsidiary to them, namely: information touching the modification of punishment, through the intervention of the executive, in granting pardons and commutations of sentences. Few men have any adequate conception either of the importance of such an inquiry, the labor involved in it, or the energy, patience, and good sense necessary for its successful accomplishment. The bare statement that there were on a given day so many persons in confinement, standing alone, is of value, but its relative value is very slight.

The novice in criminal statistics needs to be warned against confiding in any deductions drawn from comparisons which may be made between the number of prisoners in one state and in another.

In consequence of the absence of uniformity in their respective criminal codes, it may happen that the list of punishable offenses is greater in this state than in that, or that offenses punishable by imprisonment in one state may be punishable in another merely by fine, without imprisonment. Even though the codes should prove to be precisely similar, the sentences imposed by the courts might prove, upon inquiry, to be longer, upon the average, here than there; and evidently long sentences tend to fill up the prisons, while short sentences tend to empty them.

The relation between the number of persons incarcerated and the number of convictions had is a variable relation. But if it were not so, there is no necessary relation between the number of convictions had and the number of crimes perpetrated; since crime may be more vigorously prosecuted in one locality than in another, and it may even prove to be least vigorously prosecuted where it is most rampant.

FRED. H. WINES,
Special Agent.

TABLE CXXXVIII.—*The insane, by sex, nativity, and race:* 1880.

States and Territories.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
The United States	91,997	44,408	47,589	65,651	26,346	85,840	6,157
Alabama	1,521	719	802	1,475	46	1,110	411
Arizona	21	16	5	9	12	19	*a* 2
Arkansas	789	375	414	776	13	629	160
California	2,503	1,720	783	885	1,618	2,368	*b* 135
Colorado	99	59	40	66	33	91	*c* 8
Connecticut	1,723	745	978	1,214	509	1,691	*d* 32
Dakota	72	42	30	33	39	69	*c* 3
Delaware	198	96	102	169	29	150	48
District of Columbia	938	701	237	492	446	814	124
Florida	253	119	134	238	15	168	85
Georgia	1,697	817	880	1,662	35	1,286	*d* 411
Idaho	16	13	3	8	8	16	.....
Illinois	5,134	2,542	2,592	3,019	2,115	5,058	76
Indiana	3,530	1,695	1,835	2,912	618	3,462	*e* 68
Iowa	2,544	1,336	1,208	1,716	828	2,535	9
Kansas	1,000	531	469	759	241	961	*d* 39
Kentucky	2,784	1,492	1,292	2,482	302	2,439	345
Louisiana	1,002	443	559	834	168	698	*d* 304
Maine	1,542	694	848	1,374	168	1,535	*d* 7
Maryland	1,857	865	992	1,612	245	1,598	259
Massachusetts	5,127	2,253	2,874	3,343	1,784	5,085	*d* 42
Michigan	2,796	1,292	1,504	1,845	951	2,758	*f* 38
Minnesota	1,145	584	561	388	757	1,140	*d* 5
Mississippi	1,147	521	626	1,107	40	715	432
Missouri	3,310	1,662	1,648	2,443	867	3,165	145
Montana	59	53	6	28	31	57	*d* 2
Nebraska	450	245	205	250	200	446	*d* 4
Nevada	31	22	9	15	16	30	*e* 1
New Hampshire	1,056	465	591	927	129	1,056	.....
New Jersey	2,405	1,145	1,260	1,445	960	2,323	82
New Mexico	153	75	78	136	17	149	*c* 4
New York	14,111	6,219	7,892	7,790	6,321	13,916	*g* 195
North Carolina	2,028	858	1,170	2,023	5	1,591	*d* 437
Ohio	7,286	3,454	3,832	5,313	1,973	7,124	*d* 162
Oregon	378	264	114	264	114	361	*h* 17
Pennsylvania	8,304	3,983	4,321	6,164	2,140	8,133	171
Rhode Island	684	293	391	455	229	670	*d* 14
South Carolina	1,112	503	609	1,077	35	651	461
Tennessee	2,404	1,149	1,255	2,336	68	2,040	364
Texas	1,564	807	757	1,358	206	1,258	*d* 306
Utah	151	73	78	58	93	149	*d* 2
Vermont	1,015	472	543	834	181	1,010	5
Virginia	2,411	1,171	1,240	2,311	100	1,719	692
Washington	135	101	34	68	67	131	*i* 4
West Virginia	982	477	505	886	96	945	37
Wisconsin	2,526	1,243	1,283	1,050	1,476	2,517	*j* 9
Wyoming	4	4	.....	2	2	4	.....

a Including 2 Chinese.
b Including 84 Chinese, 1 Japanese, and 11 Indians.
c Including 2 Indians.
d Including 1 Indian.
e Including 1 Chinese.
f Including 5 Indians.
g Including 1 Chinese, 10 Indians, and 2 East Indians.
h Including 14 Chinese and 2 Indians.
i Including 2 Chinese and 2 Indians.
j Including 3 Indians.

The total number of insane Chinese is 105; Japanese, 1; Indians, 53; East Indians, 2.

TABLE CXXXIX.—*The idiotic, by sex, nativity, and race:* 1880.

States and Territories.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
The United States	76,895	45,309	31,586	72,888	4,007	67,316	9,579
Alabama	2,223	1,344	879	2,217	6	1,354	*a* 869
Arizona	11	7	4	7	4	8	*b* 3
Arkansas	1,374	811	563	1,368	6	1,050	*b* 324
California	507	313	194	451	56	493	*c* 14
Colorado	77	49	28	73	4	75	*d* 2
Connecticut	817	504	313	767	50	802	*a* 15
Dakota	80	48	32	56	24	73	*c* 7
Delaware	269	165	104	263	6	214	55
District of Columbia	107	69	38	97	10	54	53
Florida	369	221	148	364	5	213	156
Georgia	2,433	1,412	1,021	2,426	7	1,499	934
Idaho	23	17	6	18	5	23	.....
Illinois	4,170	2,451	1,719	3,764	406	4,123	47
Indiana	4,725	2,789	1,936	4,550	175	4,643	*a* 82
Iowa	2,314	1,411	903	2,096	218	2,300	14
Kansas	1,083	649	434	983	100	1,024	*b* 59
Kentucky	3,513	2,083	1,430	3,495	18	3,026	487
Louisiana	1,053	618	435	1,035	18	587	*a* 466
Maine	1,325	764	561	1,273	52	1,323	2
Maryland	1,319	806	513	1,287	32	959	360
Massachusetts	2,031	1,220	811	1,861	170	2,017	*b* 14
Michigan	2,181	1,287	894	1,863	318	2,154	*f* 27
Minnesota	729	442	287	538	191	717	*g* 12
Mississippi	1,579	964	615	1,577	2	801	*a* 778
Missouri	3,372	1,985	1,387	3,247	125	3,130	242
Montana	15	10	5	14	1	13	*b* 2
Nebraska	356	202	154	290	66	352	*b* 4
Nevada	18	10	8	16	2	16	*a* 2
New Hampshire	703	398	305	678	25	698	5
New Jersey	1,056	608	448	977	79	1,011	45
New Mexico	122	67	55	117	5	113	*h* 9
New York	6,084	3,512	2,572	5,555	529	6,023	61
North Carolina	3,142	1,835	1,307	3,142	.....	2,134	*h* 1,008
Ohio	6,460	3,737	2,723	6,153	307	6,307	*a* 153
Oregon	181	103	78	172	9	177	*e* 4
Pennsylvania	6,497	3,779	2,718	6,193	304	6,393	104
Rhode Island	234	142	92	210	24	223	*a* 11
South Carolina	1,588	924	664	1,581	7	806	*b* 782
Tennessee	3,533	2,084	1,449	3,518	15	2,817	*a* 716
Texas	2,276	1,321	955	2,180	96	1,636	*a* 640
Utah	148	86	62	105	43	148	.....
Vermont	803	482	321	747	56	800	3
Virginia	2,794	1,710	1,084	2,787	7	1,839	955
Washington	47	29	18	46	1	44	*i* 3
West Virginia	1,367	815	552	1,355	12	1,326	41
Wisconsin	1,785	1,025	760	1,374	411	1,776	*i* 9
Wyoming	2	1	1	2	.....	2	.....

a Including 1 Indian.
b Including 2 Indians.
c Including 3 Chinese and 9 Indians.
d Including 2 Chinese.
e Including 4 Indians.
f Including 15 Indians.
g Including 12 Indians.
h Including 5 Indians.
i Including 3 Indians.

The total number of idiotic Chinese is 5; Indians, 84.

TABLE CXL.—*The blind, by sex, nativity, and race:* 1880.

States and Territories.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
The United States	48,928	26,748	22,180	40,599	8,329	41,278	7,650
Alabama	1,399	740	659	1,382	17	755	644
Arizona	27	17	10	13	14	26	*a* 1
Arkansas	972	492	480	961	11	759	*a* 213
California	644	418	226	394	250	518	*b* 126
Colorado	104	72	32	94	10	104	.....
Connecticut	613	318	295	497	116	589	24
Dakota	63	37	26	37	26	60	*c* 3
Delaware	127	60	67	107	20	101	26
District of Columbia	164	80	84	139	25	82	*a* 82
Florida	215	115	100	196	19	94	121
Georgia	1,634	821	813	1,604	30	861	*a* 773
Idaho	6	4	2	5	1	6	.....
Illinois	2,615	1,562	1,053	1,978	637	2,573	42
Indiana	2,238	1,226	1,012	2,002	236	2,181	57
Iowa	1,310	770	540	997	313	1,298	12
Kansas	748	436	312	664	84	695	*d* 53
Kentucky	2,116	1,085	1,031	2,027	89	1,777	*a* 339
Louisiana	845	483	362	759	86	366	*a* 479
Maine	797	455	342	703	94	794	*c* 3
Maryland	946	477	469	818	128	694	252
Massachusetts	1,733	944	789	1,240	493	1,700	33
Michigan	1,289	743	546	903	386	1,242	*e* 47
Minnesota	448	270	178	239	209	439	*f* 9
Mississippi	1,071	553	518	1,057	14	468	*a* 603
Missouri	2,258	1,209	1,049	1,996	262	2,082	*a* 176
Montana	12	7	5	11	1	11	*a* 1
Nebraska	220	134	86	161	59	217	*a* 3
Nevada	24	14	10	21	3	9	*g* 15
New Hampshire	412	232	180	373	39	410	2
New Jersey	829	482	347	613	216	765	64
New Mexico	358	215	143	338	20	309	*h* 49
New York	5,013	2,766	2,247	3,306	1,707	4,909	*i* 104
North Carolina	1,873	903	970	1,864	9	1,161	*j* 712
Ohio	2,960	1,675	1,285	2,340	620	2,874	86
Oregon	87	47	40	78	9	81	*k* 6
Pennsylvania	3,884	2,225	1,659	2,916	968	3,776	108
Rhode Island	300	151	149	210	90	287	13
South Carolina	1,100	503	597	1,070	30	434	666
Tennessee	2,026	1,048	978	2,001	25	1,542	484
Texas	1,375	751	624	1,228	147	1,017	358
Utah	126	66	60	49	77	122	*l* 4
Vermont	486	251	235	379	107	484	2
Virginia	1,710	859	851	1,682	28	897	813
Washington	47	29	18	40	7	39	*j* 8
West Virginia	625	360	265	581	44	597	28
Wisconsin	1,075	641	434	524	551	1,069	*c* 6
Wyoming	4	2	2	2	2	4	.....

a Including 1 Indian.
b Including 21 Chinese and 97 Indians.
c Including 2 Indians.
d Including 7 Indians.
e Including 30 Indians.
f Including 3 Indians.
g Including 15 Indians.
h Including 47 Indians.
i Including 1 Chinese and 3 Indians.
j Including 8 Indians.
k Including 6 Indians.
l Including 4 Indians.

The total number of Chinese who are blind is 22; Indians, 244.

TABLE CXLI.—*The deaf-mutes, by sex, nativity, and race:* 1880.

States and Territories.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
The United States	33,878	18,567	15,311	30,507	3,371	30,661	3,217
Alabama	693	383	310	684	9	405	288
Arizona	7	6	1	6	1	7	.....
Arkansas	489	249	240	483	6	417	72
California	382	232	150	306	76	365	*a* 17
Colorado	85	44	41	74	11	84	1
Connecticut	565	318	247	505	60	559	6
Dakota	63	37	26	32	31	62	*b* 1
Delaware	84	39	45	80	4	72	12
District of Columbia	169	121	48	162	7	133	36
Florida	118	69	49	111	7	55	63
Georgia	819	420	399	812	7	499	320
Idaho	7	3	4	5	2	7	.....
Illinois	2,202	1,239	963	1,876	326	2,179	23
Indiana	1,764	967	797	1,669	95	1,739	25
Iowa	1,052	582	470	893	159	1,046	6
Kansas	651	372	279	583	68	629	22
Kentucky	1,275	669	606	1,248	27	1,107	168
Louisiana	524	296	228	505	19	328	196
Maine	455	258	197	428	27	454	1
Maryland	671	366	305	629	42	515	156
Massachusetts	978	524	454	806	172	969	9
Michigan	1,166	637	529	929	237	1,152	*c* 14
Minnesota	590	297	203	327	173	500	.....
Mississippi	606	320	286	604	2	317	289
Missouri	1,598	872	726	1,501	97	1,523	75
Montana	9	8	1	9	.....	7	*d* 2
Nebraska	287	159	128	228	59	284	3
Nevada	10	8	2	9	1	9	*b* 1
New Hampshire	221	125	96	201	20	219	2
New Jersey	527	265	262	456	71	520	7
New Mexico	70	40	30	66	4	58	*e* 12
New York	3,762	1,998	1,764	3,168	594	3,736	26
North Carolina	1,032	578	454	1,027	5	724	308
Ohio	2,301	1,227	1,074	2,082	219	2,255	*b* 46
Oregon	102	56	46	87	15	97	*f* 5
Pennsylvania	3,079	1,697	1,382	2,820	259	3,047	32
Rhode Island	150	85	65	114	36	145	5
South Carolina	564	297	267	559	5	301	263
Tennessee	1,108	599	509	1,098	10	868	240
Texas	771	447	324	718	53	614	157
Utah	118	60	58	69	49	118	.....
Vermont	212	114	98	194	18	212	.....
Virginia	998	544	454	992	6	705	*b* 293
Washington	24	15	9	22	2	24	.....
West Virginia	520	295	225	510	10	510	10
Wisconsin	1,079	622	457	810	269	1,074	*g* 5
Wyoming	11	8	3	10	1	11	.....

a Including 2 Chinese and 6 Indians.
b Including 1 Indian.
c Including 7 Indians.
d Including 2 Indians.
e Including 11 Indians.
f Including 1 Chinese and 4 Indians.
g Including 3 Indians.

The total number of Chinese who are deaf-mutes is 3; Indians, 37.

TABLE CXLII.—*Paupers, by sex, nativity, and race:* 1880.

States and Territories.	Aggregate.	INMATES OF ALMSHOUSES.							OUTDOOR PAUPERS.
		Total.	Male.	Female.	Native.	Foreign.	White.	Colored.	Total.
The United States.	88,665	67,067	35,952	31,115	44,106	22,961	61,310	5,757	21,598
Alabama	793	514	228	286	462	52	305	209	279
Arizona	4	4	4	.....	3	1	4	.....	.....
Arkansas	190	105	45	60	103	2	85	20	85
California	1,671	1,594	1,377	217	607	987	1,528	*a* 66	77
Colorado	47	46	41	5	25	21	43	3	1
Connecticut	1,799	1,418	776	642	961	457	1,331	87	381
Dakota	24	.....	.....	.....	.....	.....	.....	.....	24
Delaware	390	387	190	197	328	59	280	107	3
District of Columbia	184	184	89	95	142	42	111	73	.....
Florida	107	45	33	12	44	1	24	21	62
Georgia	1,278	550	222	328	534	16	385	165	728
Idaho	17	7	7	.....	2	5	7	.....	10
Illinois	4,275	3,684	2,108	1,576	1,917	1,767	3,628	56	591
Indiana	3,965	3,052	1,586	1,466	2,428	624	2,965	*b* 87	913
Iowa	2,133	1,165	689	476	752	413	1,147	18	968
Kansas	579	355	223	132	278	77	308	47	224
Kentucky	2,059	1,366	646	720	1,183	183	1,043	323	693
Louisiana*	141	.....	.....	.....	.....	.....	.....	.....	141
Maine	3,211	1,505	786	719	1,268	237	1,488	*c* 17	1,706
Maryland	1,334	1,187	664	523	911	276	857	330	147
Massachusetts	5,423	4,469	2,460	2,009	2,971	1,498	4,392	77	954
Michigan	2,300	1,746	1,048	698	1,074	672	1,680	*d* 66	554
Minnesota	496	227	156	71	96	131	226	*c* 1	269
Mississippi	547	345	148	197	334	11	165	180	202
Missouri	1,800	1,477	779	698	1,012	465	1,284	*c* 193	323
Montana	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nebraska	166	113	67	46	60	53	106	*c* 7	53
Nevada	96	95	84	11	29	66	92	*e* 3	1
New Hampshire	2,037	1,198	591	607	1,002	196	1,187	11	839
New Jersey	2,981	2,462	1,393	1,069	1,526	936	2,291	171	519
New Mexico	37	.....	.....	.....	.....	.....	.....	.....	37
New York	15,217	12,407	6,174	6,233	5,685	6,722	12,166	241	2,810
North Carolina	1,943	1,275	491	784	1,271	4	803	472	668
Ohio	7,463	6,974	3,879	3,095	5,136	1,838	6,616	*b* 358	489
Oregon	76	51	45	6	32	19	44	*f* 7	25
Pennsylvania	12,646	10,157	5,608	4,549	6,182	3,975	9,585	*g* 572	2,489
Rhode Island	553	526	263	263	366	160	492	34	27
South Carolina	720	519	206	313	460	59	277	242	201
Tennessee	1,444	1,136	453	683	1,063	73	830	306	308
Texas	533	210	120	90	184	26	134	76	323
Utah	33	.....	.....	.....	.....	.....	.....	.....	33
Vermont	1,564	655	347	308	537	118	651	4	909
Virginia	3,138	2,117	973	1,144	2,064	53	1,090	1,027	1,021
Washington	17	11	10	1	3	8	11	.....	6
West Virginia	1,197	711	334	377	671	40	641	70	486
Wisconsin	2,028	1,018	609	409	400	618	1,008	*h* 10	1,010
Wyoming	9	.....	.....	.....	.....	.....	.....	.....	9

a Including 10 Chinese and 17 Indians.
b Including 2 Indians.
c Including 1 Indian.
d Including 4 Indians.
e Including 2 Chinese.
f Including 5 Chinese.
g Including 1 Chinese and 1 Indian.
h Including 3 Indians.

The total number of pauper Chinese is 18; Indians, 33.

*There are no returns of almshouses from the state of Louisiana, provision being made with private institutions by the several parishes for the maintenance and care of their poor.

TABLE CXLIII.—*Prisoners, by sex, nativity, and race:* 1880.

States and Territories.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
The United States	59,255	54,186	5,069	46,338	12,917	42,294	16,961
Alabama	1,398	1,317	81	1,377	21	221	1,177
Arizona	67	66	1	32	35	67	.....
Arkansas	767	743	24	745	22	301	*a* 466
California	2,655	2,590	65	1,470	1,185	2,130	*b* 525
Colorado	380	377	3	293	87	363	17
Connecticut	732	671	61	490	242	674	58
Dakota	60	59	1	40	20	60	.....
Delaware	82	68	14	77	5	34	48
District of Columbia	381	309	72	334	47	139	*c* 242
Florida	275	259	16	249	26	42	233
Georgia	1,837	1,729	108	1,814	23	231	*c* 1,606
Idaho	32	32	.....	19	13	27	*d* 5
Illinois	3,336	3,134	202	2,477	859	3,082	254
Indiana	1,635	1,541	94	1,449	186	1,451	*c* 184
Iowa	811	799	12	662	149	782	29
Kansas	1,297	1,281	16	1,097	200	1,104	*e* 193
Kentucky	1,423	1,336	87	1,365	58	534	889
Louisiana	1,077	937	140	978	99	230	*f* 847
Maine	408	390	18	328	80	401	*g* 7
Maryland	1,262	1,089	173	1,074	188	593	*c* 669
Massachusetts	3,659	2,952	707	2,175	1,484	3,554	*c* 105
Michigan	1,923	1,810	113	1,393	530	1,762	*h* 161
Minnesota	428	416	12	276	152	416	*g* 12
Mississippi	1,329	1,265	64	1,305	24	153	*c* 1,176
Missouri	2,055	1,920	135	1,757	298	1,507	*g* 548
Montana	77	75	2	51	26	69	*i* 8
Nebraska	377	368	9	300	77	350	*j* 27
Nevada	199	197	2	105	94	161	*k* 38
New Hampshire	273	245	28	216	57	266	7
New Jersey	1,599	1,447	152	1,078	521	1,409	190
New Mexico	41	40	1	36	5	40	1
New York	8,808	7,580	1,228	5,658	3,150	8,287	*l* 521
North Carolina	1,619	1,524	95	1,615	4	601	*c* 1,018
Ohio	2,568	2,306	262	1,953	615	2,289	*c* 279
Oregon	233	233	.....	141	92	192	*m* 41
Pennsylvania	4,886	4,401	485	3,586	1,300	4,381	*c* 505
Rhode Island	320	255	65	211	109	296	*n* 24
South Carolina	642	602	40	637	5	56	586
Tennessee	2,129	1,989	140	2,089	40	777	*o* 1,352
Texas	3,153	3,075	78	2,785	368	1,579	*n* 1,574
Utah	60	60	.....	47	13	59	*c* 1
Vermont	261	250	11	205	56	252	9
Virginia	1,554	1,362	192	1,526	28	350	1,204
Washington	81	78	3	44	37	64	*p* 17
West Virginia	394	367	27	366	28	324	70
Wisconsin	598	570	28	366	232	571	*q* 27
Wyoming	74	72	2	47	27	63	*d* 11

a Including 11 Indians.
b Including 450 Chinese, 1 Japanese, and 47 Indians.
c Including 1 Indian.
d Including 3 Chinese and 1 Indian.
e Including 5 Indians.
f Including 2 Chinese.
g Including 3 Indians.
h Including 20 Indians.
i Including 3 Chinese and 4 Indians.
j Including 1 Chinese and 5 Indians.
k Including 35 Chinese and 1 Indian.
l Including 2 Chinese and 14 Indians.
m Including 28 Chinese and 11 Indians.
n Including 2 Indians.
o Including 1 Chinese.
p Including 3 Chinese and 10 Indians.
q Including 8 Indians.

The total number of Chinese prisoners is 531; Japanese, 1; Indians, 161.

TABLE CXLIV.—*The number of insane, idiotic, blind, and deaf-mutes, by sex, nativity, and race, reported at each census since* 1850.

INSANE.

	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
1850	15,610	7,899	7,711	*a* 13,559	2,051	14,972	638
1860	24,042	11,847	12,195	*b* 18,258	5,784	23,276	766
1870	37,432	18,219	19,213	26,205	11,227	35,610	*c* 1,822
1880	91,997	44,408	47,589	65,651	26,346	85,840	*d* 6,157

IDIOTS.

	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
1850	15,787	9,149	6,638	*e* 15,187	600	14,257	1,530
1860	18,930	11,080	7,850	*f* 17,805	1,125	16,952	1,978
1870	24,527	14,485	10,042	22,882	1,645	21,324	*g* 3,203
1880	76,895	45,309	31,586	72,888	4,007	67,316	*h* 9,579

BLIND.

	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
1850	9,794	5,455	4,339	8,993	801	7,978	1,816
1860	12,658	7,227	5,431	10,874	1,784	10,729	*i* 1,929
1870	20,320	11,343	8,977	17,043	3,277	16,966	*j* 3,354
1880	48,928	26,748	22,180	40,599	8,329	41,278	*k* 7,650

DEAF-MUTES.

	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
1850	9,803	5,418	4,385	9,299	504	9,136	667
1860	12,821	7,124	5,697	11,759	1,062	11,856	965
1870	16,205	8,916	7,289	14,869	1,336	14,907	*l* 1,298
1880	33,878	18,567	15,311	30,507	3,371	30,661	*m* 3,217

a Including 342 nativity unknown.
b Including 859 nativity unknown.
c Including 35 Chinese and 13 Indians.
d Including 105 Chinese, 1 Japanese, and 53 Indians.
e Including 121 nativity unknown.
f Including 120 nativity unknown and 2 born at sea.
g Including 5 Chinese and 10 Indians.
h Including 5 Chinese and 84 Indians.
i Including 4 Indians.
j Including 4 Chinese and 29 Indians.
k Including 22 Chinese and 244 Indians.
l Including 7 Indians.
m Including 3 Chinese and 37 Indians.

TABLE CXLV.—*The insane classified according to places where found:* 1880.

States and Territories.	Total.	Hospitals and asylums for the insane.	Other institutions.	Almshouses having no insane departments.	Jails.	At home.
The United States	91,997	40,942	235	9,302	417	41,101
Alabama	1,521	373	.....	80	18	1,050
Arizona	21	.....	.....	.....	1	20
Arkansas	789	.....	.....	23	5	761
California	2,503	2,010	8	67	6	412
Colorado	99	34	.....	5	2	58
Connecticut	1,723	672	.....	263	1	787
Dakota	72	28	.....	.....	.....	44
Delaware	198	.....	.....	73	1	124
District of Columbia	938	860	8	4	.....	66
Florida	253	76	1	1	.....	175
Georgia	1,697	626	.....	25	10	1,036
Idaho	16	.....	.....	2	.....	14
Illinois	5,134	2,195	30	749	14	2,146
Indiana	3,530	920	3	529	9	2,069
Iowa	2,544	913	69	323	7	1,232
Kansas	1,000	319	.....	70	26	585
Kentucky	2,784	1,404	2	56	13	1,309
Louisiana	1,002	450	10	.....	8	534
Maine	1,542	403	1	203	.....	935
Maryland	1,857	912	5	200	9	731
Massachusetts	5,127	3,085	9	473	.....	1,560
Michigan	2,796	1,122	.....	392	.....	1,282
Minnesota	1,145	708	.....	10	2	425
Mississippi	1,147	387	.....	26	21	713
Missouri	3,310	1,350	21	228	5	1,706
Montana	59	44	.....	.....	.....	15
Nebraska	450	175	.....	16	1	258
Nevada	31	.....	.....	.....	1	30
New Hampshire	1,056	288	.....	261	.....	507
New Jersey	2,405	1,632	2	116	.....	655
New Mexico	153	.....	.....	.....	3	150
New York	14,111	8,079	32	1,577	2	4,421
North Carolina	2,028	269	.....	218	23	1,518
Ohio	7,286	3,499	21	996	29	2,741
Oregon	378	262	.....	.....	.....	116
Pennsylvania	8,304	2,999	4	1,481	5	3,815
Rhode Island	684	392	.....	47	.....	245
South Carolina	1,112	425	.....	24	1	662
Tennessee	2,404	385	.....	239	23	1,757
Texas	1,564	350	9	38	18	1,149
Utah	151	29	.....	.....	2	120
Vermont	1,015	454	.....	45	.....	516
Virginia	2,411	1,098	.....	102	88	1,123
Washington	135	91	.....	.....	.....	44
West Virginia	982	394	.....	25	40	523
Wisconsin	2,526	1,230	.....	315	23	958
Wyoming	4	.....	.....	.....	.....	4

TABLE CXLVI.—*Insane in hospitals and asylums for the same, by sex, nativity, and race:* 1880.

[Explanation of signs: * State or territorial asylums; † Catholic institutions; ‡ not in operation June 1, 1880; ¶ owned by the United States. For notes, see page 1682.]

Insane asylums.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
The United States		40,942	20,635	20,307	25,559	15,383	39,122	1,820
ALABAMA.								
* Alabama Insane Hospital	Tuscaloosa	373	193	180	351	22	310	63
CALIFORNIA.								
* Napa State Asylum for the Insane	Napa	770	506	264	262	508	730	*a* 40
* State Insane Asylum	Stockton	1,081	778	303	342	739	1,037	*b* 44
Pacific Insane Asylum	Stockton	159	123	36	49	110	147	*c* 12
COLORADO.								
* State Insane Asylum	Pueblo	34	23	11	20	14	32	2
CONNECTICUT.								
* Connecticut Hospital for Insane	Middletown	505	248	257	321	184	500	5
Retreat for the Insane	Hartford	145	64	81	135	10	145	.....
Spring Hill Institution	Litchfield	15	7	8	14	1	14	1
Cromwell Hall (for the insane)	Cromwell	5	1	4	3	2	5	.....
Home for Mild Forms of Insanity, Inebriety, and the Opium Habit.	Stamford	2	1	1	1	1	2	.....
DAKOTA.								
* Dakota Hospital for the Insane	Yankton	28	16	12	12	16	27	1
DISTRICT OF COLUMBIA.								
¶ Government Hospital for Insane	Washington	860	667	193	436	424	761	99
FLORIDA.								
* State Asylum (for indigent insane)	Chattahoochee	76	35	41	73	3	52	24
GEORGIA.								
* State Lunatic Asylum	Milledgeville	626	343	283	602	24	502	124
ILLINOIS.								
* Illinois Northern Hosp. for Insane	Elgin	513	255	258	280	233	508	5
* Illinois Eastern Hosp. for Insane	Kankakee	88	88	.....	43	45	88	.....
* Illinois Central Hosp. for Insane	Jacksonville	620	311	309	383	237	618	2
* Illinois Southern Hosp. for Insane	Anna	477	244	233	346	131	467	10
Cook County Insane Asylum	Jefferson	470	212	258	99	371	463	7
Bellevue Place (for the insane)	Batavia	17	.....	17	14	3	17	.....
Oak Lawn Retreat (for the insane)	Jacksonville	10	7	3	10	.....	10	.....
INDIANA.								
* Indiana Hospital for the Insane	Indianapolis	920	486	434	758	162	903	*d* 17
IOWA.								
* Iowa Hospital for the Insane at Mount Pleasant.	Mount Pleasant	454	255	199	316	138	451	3
* Hosp. for Insane at Independence	Independence	459	224	235	247	212	457	2
KANSAS.								
* Kansas State Insane Asylum	Osawatomie	197	107	90	126	71	191	*e* 6
* State Insane Asylum	Topeka	122	70	52	90	32	119	3
KENTUCKY.								
* Eastern Lunatic Asylum	Lexington	589	335	254	485	104	509	80
* Central Lunatic Asylum	Anchorage	377	199	178	307	70	323	54
* Western Kentucky Lunatic Asylum	Hopkinsville	438	251	187	393	45	378	60
LOUISIANA.								
* Insane Asylum of Louisiana	Jackson	210	97	113	169	41	152	58
* City Insane Asylum	New Orleans	145	62	83	83	62	107	38
* Louisiana Retreat for the Insane	New Orleans	95	24	71	94	1	95	.....

TABLE CXLVI.—*Insane in hospitals and asylums, &c.:* 1880—Continued.

Insane asylums.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
MAINE.								
* Maine Insane Hospital	Augusta	403	202	201	329	74	401	2
MARYLAND.								
* Maryland Hospital for the Insane.	Catonsville	343	191	152	280	63	322	21
Bayview Insane Asylum (department of city almshouse).	Baltimore	199	78	121	128	71	177	22
† Mount Hope Retreat for the Insane.	Baltimore	352	151	201	348	4	352	.....
Motley Hill Sanitarium (for insane).	Mount Winans	12	1	11	12	.....	12	.....
Harlem Lodge (for inebriates)	Catonsville	6	3	3	5	1	6	.....
MASSACHUSETTS.								
* Worcester Lunatic Hospital	Worcester	489	235	254	330	159	488	1
* Taunton Lunatic Hospital	Taunton	564	283	281	391	173	561	3
* Northampton Lunatic Hospital	Northampton	439	219	220	210	229	431	8
* Danvers Lunatic Hospital	Danvers	598	279	319	360	238	594	4
* Temp'y Asylum for Chronic Insane	Worcester	337	151	186	151	186	330	7
Tewksbury Asy. for Chronic Insane.	Tewksbury	226	51	175	40	186	223	3
Boston Lunatic Hospital	Boston	169	91	78	136	33	169	.....
McLean Asylum for the Insane	Somerville	155	65	90	142	13	155	.....
Essex Co. Receptacle for the Insane.	Ipswich	59	39	20	54	5	59	.....
Hospital for Insane (private)	Brookline	2	.....	2	2	.....	2	.....
Adams Nervine Asylum	Jamaica Plains	9	.....	9	8	1	9	.....
Shady Lawn (for the insane)	Northampton	10	5	5	10	.....	10	.....
Cutter Retreat (for the insane)	Pepperell	6	1	5	6	.....	6	.....
Family Home (for the insane)	Winchenden	5	3	2	5	.....	5	.....
Herbert Hall (for the insane)	Worcester	17	1	16	16	1	17	.....
MICHIGAN.								
* Michigan Asylum for the Insane	Kalamazoo	658	303	355	457	201	656	2
* Eastern Michigan Asyl. for Insane.	Pontiac	410	210	200	238	172	404	6
† Michigan Retreat for the Insane	Detroit	54	17	37	25	29	54	.....
MINNESOTA.								
* Minnesota Hospital for Insane	Saint Peter	626	304	322	181	445	625	1
* Second Minnesota Hosp. for Insane	Rochester	82	82	.....	32	50	82	.....
MISSISSIPPI.								
* State Lunatic Asylum	Jackson	387	178	209	361	26	304	83
MISSOURI.								
* State Lunatic Asylum	Fulton	465	283	182	374	91	452	13
* State Lunatic Asylum No. 2	Saint Joseph	127	66	61	109	18	127	.....
Insane Asy. of the City of St. Louis.	Saint Louis	302	98	204	111	191	287	15
† St. Vincent's Institute for Insane	Saint Louis	132	57	75	58	74	132	.....
† Misericordia Asylum for the Insane	Saint Louis	7	7	.....	3	4	7	.....
St. Louis Poorhouse (insane dep't)	Saint Louis	*f* 317	148	169	135	182	310	7
MONTANA TERRITORY.								
Insane Asylum	Deer Lodge City	44	42	2	20	24	43	1
NEBRASKA.								
Hospital for the Insane	Lincoln	175	98	77	80	95	174	1
NEW HAMPSHIRE.								
* N. Hampshire Asylum for Insane.	Concord	288	132	156	257	31	288	.....
NEW JERSEY.								
* New Jersey State Lunatic Asylum	Trenton	502	270	232	310	192	483	19
* State Asylum for the Insane	Morristown	549	258	291	310	239	544	5
Burlington Co. Lunatic Asylum	Burlington	67	21	46	54	13	62	5
Camden County Lunatic Asylum	Blackwoodtown	61	23	38	51	10	56	5
Essex Co. Asylum for the Insane	Newark	243	110	133	93	150	236	7
Hudson County Lunatic Asylum	Jersey City	186	81	105	46	140	185	1
Passaic County Lunatic Asylum	Paterson	24	8	16	9	15	24	.....
NEW YORK.								
* State Lunatic Asylum	Utica	595	299	296	413	182	590	5
* Hudson River State Hospital (for the insane).	Poughkeepsie	246	123	123	149	97	241	5

TABLE CXLVI.—*Insane in hospitals and asylums, &c.:* 1880—Continued.

Insane asylums.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
NEW YORK—continued.								
* ‡ Buffalo State Asylum for Insane.	Buffalo	.....	.....	.....	.....	.....	.....	.....
* State Homœop. Asylum for Insane.	Middletown	185	87	98	156	29	185	.....
* Willard Asylum for the Insane	Willard	1,513	711	802	927	586	1,489	*e* 24
* ‡ Binghamton State Asylum for the Chronic Insane.	Binghamton	.....	.....	.....	.....	.....	.....	.....
* N. Y. State Asy. for Ins. Criminals	Auburn	141	130	11	71	70	127	*d* 14
State Emigrant Refuge and Hosp. (Ward's island), insane dep't.	New York	114	60	54	.....	114	114	.....
N. Y. City Lunatic Asylum (Blackwell's island).	New York	1,294	.....	1,294	219	1,075	1,284	10
N. Y. City Branch Lunatic Asylum (Randall's island), male dep't.	New York	114	114	.....	38	76	114	.....
N. Y. City Branch Lunatic Asylum (Hart's island), female dep't.	New York	301	.....	301	74	227	293	8
New York City Asylum for the Insane (Ward's island).	New York	1,136	1,136	.....	345	791	1,119	17
Homœopathic Hospital (Ward's island), insane department.	New York	150	.....	150	13	137	149	1
Kings County Lunatic Asylum	Flatbush	773	276	497	764	9	764	9
Kings County Hospital for Incurables (chronic insane). (*g*)	Flatbush	299	140	159	118	181	296	3
Erie County Insane Asylum	Buffalo Plains	270	138	132	168	102	270	.....
Monroe County Insane Asylum	Rochester	238	92	146	95	143	238	.....
Onondaga County Insane Asylum	Syracuse	111	37	74	57	54	111	.....
Queens County Lunatic Asylum	Mineola	104	51	53	45	59	97	7
Rensselaer County Lunatic Asylum (dep't Marshall Infirmary).	Troy	98	37	61	97	1	98	.....
Bloomingdale Asylum for Insane	New York	202	94	108	138	64	202	.....
‡ St. Vincent's Retreat for Insane	Harrison	5	.....	5	4	1	5	.....
Home for Ins. and Nerv's Invalids	Pleasantville	7	4	3	7	.....	7	.....
Home for Nervous Invalids	Brooklyn	5	1	4	4	1	5	.....
Sanford Hall (for the insane)	Flushing	32	18	14	24	8	32	.....
Brigham Hall (for the insane)	Canandaigua	56	30	26	37	19	56	.....
‡ Providence Lunatic Asylum	Buffalo	90	26	64	37	53	90	.....
NORTH CAROLINA.								
* North Carolina Insane Asylum	Raleigh	269	140	129	269	.....	257	12
OHIO.								
* Columbus Asylum for the Insane.	Columbus	871	394	477	666	205	861	*e* 10
Cleveland Asylum for the Insane	Cleveland	624	303	321	416	208	621	3
* Dayton Asylum for the Insane	Dayton	583	278	305	475	108	563	20
* Northwestern Hospital for Insane.	Toledo	129	57	72	65	64	128	1
* Athens Asylum for the Insane	Athens	610	280	330	502	108	598	12
Longview Asylum (for the insane)	Carthage	637	303	334	213	424	608	29
Cincinnati Sanitarium (for insane)	Cincinnati	45	24	21	40	5	44	1
OREGON.								
Oregon Hospital for the Insane	East Portland	262	189	73	171	91	248	*h* 14
PENNSYLVANIA.								
* Pennsylvania State Lunatic Hosp'l	Harrisburg	413	199	214	407	6	412	1
* State Hospital for the Insane	Danville	454	267	187	291	163	446	8
* ‡ State Hospital for the Insane	Norristown	.....	.....	.....	.....	.....	.....	.....
Asylum for the Relief of Persons Deprived of the Use of their Reason (Friends' Asylum).	Frankford	90	42	48	89	1	90	.....
Blockley Almshouse (insane dep't)	Philadelphia	973	451	522	467	*i* 506	932	41
Pennsylvania Hospital for Insane	Philadelphia	370	173	197	290	80	370	.....
Western Pa. Hospital for the Insane	Dixmont	549	313	236	348	201	544	5
Burn Brae	Clifton Heights	33	20	13	32	1	33	.....
Lancaster County Insane Asylum	Lancaster	117	59	58	110	7	114	3
RHODE ISLAND.								
Butler Hospital for the Insane	Providence	164	71	93	136	28	162	2
* State Asylum for Incurable Insane.	Cranston Print Works.	228	105	123	101	127	223	5
SOUTH CAROLINA.								
Lunatic Asylum of South Carolina.	Columbia	389	181	208	374	15	257	132
City (Roper) Hospital (insane dep't)	Charleston	36	25	11	30	6	20	16

TABLE CXLVI.—*Insane in hospitals and asylums, &c.:* 1880—Continued.

Insane asylums.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
TENNESSEE.								
Hospital for the Insane	Nashville	385	217	168	365	20	350	35
TEXAS.								
* State Lunatic Asylum	Austin	350	208	142	295	55	313	37
UTAH.								
Salt Lake City Insane Asylum	Salt Lake City	25	14	11	8	17	25	.....
Insane House	Saint George	4	1	3	3	1	4	.....
VERMONT.								
Vermont Asylum for the Insane	Brattleboro'	454	237	217	339	115	452	2
VIRGINIA.								
* Eastern Lunatic Asylum	Williamsburgh	323	159	164	287	36	323	.....
* Western Lunatic Asylum	Staunton	463	210	253	434	29	462	1
* Central Lunatic Asy. (for col'd ins.)	Richmond	267	123	144	267	.....	.....	267
Pinel Hospital (for the insane)	Richmond	45	24	21	40	5	14	31
WASHINGTON TERRITORY.								
Asylum for the Insane	Steilacoom City	91	72	19	43	48	89	*j* 2
WEST VIRGINIA.								
* W. Va. Hospital for the Insane	Weston	394	204	190	333	61	374	20
WISCONSIN.								
* State Hospital for the Insane	Mendota	533	268	265	254	279	532	1
* Northern Hospital for the Insane	Winnebago	473	240	233	202	271	469	*e* 4
Milwaukee County Insane Asylum	Wauwatosa	202	92	110	47	155	202	.....
Sheboygan County Insane Asylum	Plymouth	22	11	11	9	13	22	.....

a Including 25 Chinese and 4 Indians.
b Including 37 Chinese, 1 Japanese, and 1 Indian.
c Including 6 Chinese.
d Including 1 Chinese.
e Including 1 Indian.
f 183 of this number were transferred from the Saint Louis Insane Asylum, for want of room, to the Saint Louis Poorhouse.
g Known on the list published by the association of superintendents as the "Kings County Asylum for Chronic Insane".
h Including 13 Chinese.
i Including 1 born at sea.
j Including 2 Chinese.

The total number of Chinese confined in asylums is 95; Japanese, 1; Indians, 9.

TABLE CXLVII.—*Idiots in hospitals and asylums for the insane, by sex, nativity, and race:* 1880.

[Explanation of signs: * State or territorial asylums; † Catholic institutions; ¶ owned by the United States.]

Insane asylums.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
The United States		1,141	673	468	1,027	114	1,065	76
ALABAMA.								
* Alabama Insane Hospital	Tuscaloosa	28	15	13	28	.....	26	2
CALIFORNIA.								
* Napa State Asylum for the Insane	Napa	11	7	4	10	1	11	.....
* State Insane Asylum	Stockton	26	18	8	23	3	26	.....
CONNECTICUT.								
* Connecticut Hospital for Insane	Middletown	7	6	1	7	.....	7	.....
Retreat for the Insane	Hartford	1	.....	1	1	.....	1	.....
DAKOTA.								
* Dakota Hospital for the Insane	Yankton	1	.....	1	1	.....	1	.....
DISTRICT OF COLUMBIA.								
¶ Government Hospital for Insane	Washington	13	7	6	12	1	7	6
FLORIDA.								
* State Asylum (for indigent insane)	Chattahoochee	17	11	6	17	.....	10	7
GEORGIA.								
* State Lunatic Asylum	Milledgeville	176	74	102	175	1	152	24
ILLINOIS.								
* Illinois Northern Hosp. for Insane	Elgin	2	2	.....	1	1	2	.....
* Illinois Eastern Hosp. for Insane	Kankakee	1	1	.....	1	.....	1	.....
* Illinois Central Hosp. for Insane	Jacksonville	3	1	2	2	1	3	.....
* Illinois Southern Hosp. for Insane	Anna	25	16	9	23	2	24	1
INDIANA.								
* Indiana Hospital for the Insane	Indianapolis	20	18	2	17	3	20	.....
IOWA.								
* Iowa Hospital for the Insane at Mount Pleasant.	Mount Pleasant	22	14	8	22	.....	22	.....
* Hosp. for Insane at Independence.	Independence	7	2	5	7	.....	7	.....
KANSAS.								
* Kansas State Insane Asylum	Osawatomie	6	5	1	6	.....	6	.....
* State Insane Asylum	Topeka	2	1	1	2	.....	2	.....
KENTUCKY.								
* Eastern Lunatic Asylum	Lexington	22	17	5	22	.....	19	3
* Central Lunatic Asylum	Anchorage	34	24	10	33	1	32	2
* Western Kentucky Lunatic Asy.	Hopkinsville	26	19	7	25	1	23	3
LOUISIANA.								
* Insane Asylum of Louisiana	Jackson	18	12	6	18	.....	14	4
City Insane Asylum	New Orleans	16	9	7	14	2	9	7
MAINE.								
* Maine Insane Hospital	Augusta	9	6	3	9	.....	9	.....
MARYLAND.								
* Maryland Hospital for the Insane	Catonsville	13	11	2	11	2	13	.....
Bayview Insane Asylum (department of city almshouse).	Baltimore	8	1	7	6	2	8	.....
† Mt. Hope Retreat for the Insane	Baltimore	16	4	12	16	.....	16	.....

TABLE CXLVII.—*Idiots in hospitals and asylums for the insane, &c.:* 1880—Continued.

Insane asylums.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
MASSACHUSETTS.								
* Worcester Lunatic Hospital	Worcester	4	2	2	3	1	4	.....
* Taunton Lunatic Hospital	Taunton	9	6	3	9	.....	9	.....
* Northampton Lunatic Hospital	Northampton	17	12	5	14	3	17	.....
* Danvers Lunatic Hospital	Danvers	24	15	9	19	5	24	.....
* Temp'ly Asylum for Chronic Insane	Worcester	15	11	4	11	4	15	.....
McLean Asylum for the Insane	Somerville	1	1	.....	1	.....	1	.....
Shady Lawn (for the insane)	Northampton	1	1	.....	1	.....	1	.....
Family Home (for the insane)	Winchenden	1	.....	1	1	.....	1	.....
MICHIGAN.								
* Michigan Asylum for the Insane	Kalamazoo	6	5	1	6	.....	6	.....
* Eastern Michigan Asy. for Insane.	Pontiac	16	12	4	11	5	16	.....
† Michigan Retreat for the Insane	Detroit	2	.....	2	2	.....	2	.....
MINNESOTA.								
* Minnesota Hospital for Insane	Saint Peter	26	16	10	16	10	26	.....
* Second Minnesota Hosp. for Insane	Rochester	5	5	.....	4	1	5	.....
MISSISSIPPI.								
* State Lunatic Asylum	Jackson	20	9	11	20	.....	18	2
MISSOURI.								
* State Lunatic Asylum	Fulton	11	9	2	10	1	11	.....
Insane Asy. of the City of St. Louis.	Saint Louis	15	7	8	13	2	15	.....
† St. Vincent's Institute for Insane	Saint Louis	12	4	8	11	1	12	.....
NEBRASKA.								
Hospital for the Insane	Lincoln	3	1	2	3	.....	3	.....
NEW HAMPSHIRE.								
* N. Hampshire Asylum for Insane.	Concord	5	4	1	4	1	5	.....
NEW JERSEY.								
* New Jersey State Lunatic Asylum	Trenton	32	27	5	26	6	32	.....
* State Asylum for the Insane	Morristown	12	8	4	8	4	12	.....
Camden County Lunatic Asylum	Blackwoodtown	2	1	1	2	.....	2	.....
Hudson County Lunatic Asylum	Jersey City	10	8	2	3	7	10	.....
NEW YORK.								
* State Lunatic Asylum	Utica	2	2	.....	2	.....	2	.....
* Hudson River State Hospital (for the insane).	Poughkeepsie	3	1	2	3	.....	3	.....
* State Homœopathic Asy. for Insane	Middletown	1	1	.....	1	.....	1	.....
* Willard Asylum for the Insane	Willard	53	28	25	50	3	53	.....
* N. Y. State Asy. for Ins. Criminals.	Auburn	1	1	.....	1	.....	1	.....
N. Y. City Branch Lunatic Asylum (Hart's island), female dep't.	New York	2	.....	2	1	1	2	.....
Kings County Lunatic Asylum	Flatbush	8	3	5	6	2	8	.....
Kings County Asy. for Chronic Ins.	Flatbush	3	3	.....	3	.....	3	.....
Queens County Lunatic Asylum	Mineola	1	.....	1	1	.....	1	.....
Rensselaer County Lunatic Asylum (dep't Marshall Infirmary).	Troy	2	1	1	2	.....	2	.....
Bloomingdale Asylum for the Insane	New York	9	5	4	9	.....	9	.....
Home for Nervous Invalids	Brooklyn	4	.....	4	2	2	4	.....
Brigham Hall (for the insane)	Canandaigua	1	1	.....	.....	1	1	.....
† Providence Lunatic Asylum	Buffalo	1	1	.....	.....	1	1	.....
Onondaga County Insane Asylum	Syracuse	2	1	1	2	.....	2	.....
NORTH CAROLINA.								
* North Carolina Insane Asylum	Raleigh	1	1	.....	1	.....	1	.....
OHIO.								
* Columbus Asylum for the Insane	Columbus	14	9	5	13	1	14	.....
Cleveland Asylum for the Insane	Cleveland	5	4	1	5	.....	5	.....
* Dayton Asylum for the Insane	Dayton	5	2	3	5	.....	5	.....
* Northwestern Hospital for Insane.	Toledo	1	1	.....	1	.....	1	.....
* Athens Asylum for the Insane	Athens	14	7	7	14	.....	14	.....
Longview Asylum (for the insane)	Carthage	27	12	15	21	6	26	1
Cincinnati Sanitarium (for insane)	Cincinnati	1	.....	1	1	.....	1	.....

TABLE CXLVII.—*Idiots in hospitals and asylums for the insane, &c.:* 1880—Continued.

Insane asylums.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
OREGON.								
Oregon Hospital for the Insane	East Portland	21	13	8	20	1	21	.....
PENNSYLVANIA.								
* Pennsylvania State Lunatic Hosp'l	Harrisburg	10	6	4	10	.....	9	1
* State Hospital for the Insane	Danville	18	11	7	15	3	18	.....
Asylum for the Relief of Persons Deprived of the Use of their Reason (Friends' Asylum).	Frankford	1	1	.....	1	.....	1	.....
Blockley Almshouse (insane dep't)	Philadelphia	15	6	9	12	3	15	.....
Pennsylvania Hospital for Insane	Philadelphia	3	2	1	3	.....	3	.....
Western Pa. Hospital for Insane	Dixmont	18	12	6	15	3	18	.....
RHODE ISLAND.								
* State Asylum for Incurable Insane	Cranston Print Works.	9	7	2	5	4	8	1
SOUTH CAROLINA.								
Lunatic Asylum of South Carolina	Columbia	24	12	12	24	.....	16	8
City (Roper) Hospital (insane dep't)	Charleston	1	1	.....	1	.....	.....	1
TEXAS.								
* State Lunatic Asylum	Austin	11	10	1	10	1	11	.....
UTAH.								
Salt Lake City Insane Asylum	Salt Lake City	1	1	.....	1	.....	1	.....
Insane House	Saint George	1	1	.....	1	.....	1	.....
VERMONT.								
Vermont Asylum for the Insane	Brattleboro'	2	1	1	2	.....	2	.....
VIRGINIA.								
* Eastern Lunatic Asylum	Williamsburgh	6	6	.....	6	.....	6	.....
* Western Lunatic Asylum	Staunton	17	7	10	17	.....	17	.....
* Central Lunatic Asy. (for col'd ins.)	Richmond	2	2	.....	2	.....	.....	2
WEST VIRGINIA.								
* West Va. Hospital for the Insane	Weston	11	9	2	11	.....	11	.....
WISCONSIN.								
* State Hospital for the Insane	Mendota	15	7	8	11	4	14	1
* Northern Hospital for the Insane	Winnebago	10	7	3	4	6	10	.....
Milwaukee County Insane Asylum	Wauwatosa	5	2	3	5	.....	5	.....

TABLE CXLVIII.—*Idiots in training schools for the feeble-minded, by sex, nativity, and race:* 1880.

[Explanation of signs: * State training schools; † Catholic institution.]

Training schools.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
The United States		2,429	1,390	1,039	2,377	52	2,416	13
CONNECTICUT.								
Connecticut School for Imbeciles	Lakeville	81	48	33	81	.....	81	.....
ILLINOIS.								
* Illinois Asylum for Feeble-Minded Children.	Lincoln	306	164	142	306	.....	303	3
INDIANA.								
* Indiana Asylum for Feeble-Minded Children.	Knightstown	49	31	18	49	.....	48	1
IOWA.								
* Iowa State Asylum for Feeble-Minded Children.	Glenwood	159	106	53	157	2	158	1
† Hospital for Idiots, Imbeciles, etc.	Davenport	8	5	3	8	.....	8	.....
KENTUCKY.								
Inst'n for the Education and Training of Feeble-Minded Children.	Frankfort	131	69	62	131	.....	131	.....
MASSACHUSETTS.								
Massachusetts School for Idiotic and Feeble-Minded Youth.	South Boston	113	62	51	100	13	113	.....
Private Institution for Education of Feeble-Minded Youth.	Barre	78	54	24	75	3	78	.....
Hillside School for Backward and Feeble-Minded Children.	Fayville	11	7	4	11	.....	11	.....
MINNESOTA.								
* Minnesota Institution for Feeble-Minded Children.	Faribault	19	13	6	19	.....	19	.....
NEW YORK.								
New York Asylum for Idiots	Syracuse	295	171	124	289	6	292	3
New York Asylum for Idiots (custodial branch).	Newark	95	.....	95	95	.....	95	.....
Idiot Asylum (Randall's island)	New York	212	129	83	194	18	210	2
OHIO.								
* Ohio State Institution for the Education of Imbecile Youth.	Columbus	549	329	220	548	1	546	3
PENNSYLVANIA.								
Pennsylvania Training School for Feeble-Minded Children.	Media	323	202	121	314	9	323	.....

TABLE CXLIX.—*Idiots classified according to places where found:* 1880.

States and Territories.	Total.	Institutions for idiots.	Other institutions.	Almshouses.	Jails.	At home.
The United States	76,895	2,429	1,382	5,837	47	67,200
Alabama	2,223	.....	30	61	4	2,128
Arizona	11	.....	.....	.....	.....	11
Arkansas	1,374	.....	.....	13	.....	1,361
California	507	.....	43	20	1	443
Colorado	77	.....	.....	4	.....	73
Connecticut	817	81	8	94	.....	634
Dakota	80	.....	1	.....	.....	79
Delaware	269	.....	.....	75	.....	194
District of Columbia	107	.....	30	4	.....	73
Florida	369	.....	17	.....	.....	352
Georgia	2,433	.....	179	46	2	2,206
Idaho	23	.....	.....	.....	.....	23
Illinois	4,170	306	40	411	21	3,392
Indiana	4,725	49	21	491	1	4,163
Iowa	2,314	167	31	156	.....	1,960
Kansas	1,083	.....	8	41	.....	1,034
Kentucky	3,513	131	86	80	.....	3,216
Louisiana	1,053	.....	67	.....	.....	986
Maine	1,325	.....	9	178	.....	1,138
Maryland	1,319	.....	46	86	.....	1,187
Massachusetts	2,031	202	81	286	.....	1,462
Michigan	2,181	.....	29	254	.....	1,898
Minnesota	729	19	34	16	.....	660
Mississippi	1,579	.....	22	48	2	1,507
Missouri	3,372	.....	87	256	.....	3,029
Montana	15	.....	.....	.....	.....	15
Nebraska	356	.....	3	6	.....	347
Nevada	18	.....	.....	1	.....	17
New Hampshire	703	.....	5	155	.....	543
New Jersey	1,056	.....	57	127	.....	872
New Mexico	122	.....	.....	.....	.....	122
New York	6,084	602	163	537	1	4,781
North Carolina	3,142	.....	1	150	1	2,990
Ohio	6,460	549	67	950	.....	4,894
Oregon	181	.....	21	.....	.....	160
Pennsylvania	6,497	323	73	468	.....	5,633
Rhode Island	234	.....	10	25	.....	199
South Carolina	1,588	.....	25	54	.....	1,509
Tennessee	3,533	.....	.....	195	1	3,337
Texas	2,276	.....	11	18	1	2,246
Utah	148	.....	2	.....	.....	146
Vermont	803	.....	2	88	.....	713
Virginia	2,794	.....	29	194	8	2,563
Washington	47	.....	3	.....	.....	44
West Virginia	1,367	.....	11	123	2	1,231
Wisconsin	1,785	.....	30	126	2	1,627
Wyoming	2	.....	.....	.....	.....	2

TABLE CL.—*The blind in institutions for the same, by sex, nativity, and race:* 1880.

[Explanation of sign: * State institutions.]

Institutions.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
The United States		2,158	1,175	983	1,913	245	2,114	44
ALABAMA.								
*Alabama Institution for the Deaf, Dumb, and Blind.	Talladega	15	10	5	15	.....	15	.....
ARKANSAS.								
*Arkansas School for the Blind	Little Rock	29	13	16	29	.....	29	.....
CALIFORNIA.								
*Cal. Inst'n for the Education of the Deaf and Dumb and the Blind.	Berkeley	26	13	13	24	2	26	.....
COLORADO.								
*Institute for the Education of Mutes and the Blind.	Colorado Springs	(a)	.....	.....	.....	.....	.....	.....
GEORGIA.								
*Georgia Academy for the Blind	Macon	47	31	16	47	.....	45	2
ILLINOIS.								
*Illinois Institution for the Education of the Blind.	Jacksonville	116	73	43	108	8	116	.....
INDIANA.								
*Indiana Institute for the Education of the Blind.	Indianapolis	110	55	55	108	2	109	1
IOWA.								
*Iowa College for the Blind	Vinton	87	41	46	82	5	87	.....
KANSAS.								
*Kansas Institution for the Education of the Blind.	Wyandotte	46	23	23	45	1	46	.....
KENTUCKY.								
*Kentucky Institution for the Education of the Blind.	Louisville	60	35	25	60	.....	60	.....
LOUISIANA.								
*La. Inst. for the Educ'n of the Blind and Indust. Home for the Blind.	Baton Rouge	26	15	11	24	2	26	.....
MARYLAND.								
*Maryland Institution for the Instruction of the Blind.	Baltimore	66	37	29	61	5	66	.....
*Institution for Colored Blind and Deaf-Mutes.	Baltimore	14	8	6	14	.....	.....	14
MASSACHUSETTS.								
*Perkins Institution and Massachusetts School for the Blind.	Boston	96	54	42	87	9	93	3
MICHIGAN.								
*State School for the Blind	Lansing	46	24	22	37	9	46	.....
MINNESOTA.								
*Minn. Inst'n for the Education of the Deaf, Dumb, and Blind.	Faribault	27	17	10	21	6	27	.....

a No inmates June 1, 1880.

TABLE CL.—*The blind in institutions for the same, &c.:* 1880—Continued.

Institutions.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
MISSISSIPPI.								
* Mississippi Institution for the Education of the Blind.	Jackson	33	16	17	33	.....	30	3
MISSOURI.								
* Missouri School for the Blind	Saint Louis	99	51	48	94	5	98	1
Blind Girls' Industrial Home	Saint Louis	5	.....	5	4	1	5	.....
NEBRASKA.								
* Nebr. Institution for the Blind	Nebraska City	22	10	12	20	2	22	.....
NEW YORK.								
* N. Y. State Inst'n for the Blind	Batavia	155	75	80	139	16	154	1
N. Y. Institution for the Blind	New York	218	99	119	195	23	217	1
Home for the Blind	New York	37	15	22	12	25	37	.....
Indigent Blind Asy. (Blackwell's Is.)	New York	74	74	.....	11	63	73	1
NORTH CAROLINA.								
* North Carolina Institution for the Deaf, Dumb, and Blind.	Raleigh	51	26	25	51	.....	51	.....
* Colored department of the same	Raleigh	14	10	4	14	.....	.....	14
OHIO.								
* Ohio Institution for the Education of the Blind.	Columbus	167	96	71	158	9	165	2
PENNSYLVANIA.								
Pennsylvania Institution for the Instruction of the Blind.	Philadelphia	172	104	68	149	23	172	.....
Pa. Working Home for Blind Men	Philadelphia	31	31	.....	20	11	31	.....
Pa. Indust. Home for Blind Women	Philadelphia	31	.....	31	22	9	31	.....
SOUTH CAROLINA.								
* S. C. Institution for the Education of the Deaf, Dumb, and Blind.	Cedar Springs	16	7	9	16	.....	16	.....
TENNESSEE.								
* Tennessee School for the Blind	Nashville	30	11	19	30	.....	30	.....
TEXAS.								
* Tex. Inst. of Learning for the Blind	Austin	75	36	39	74	1	75	.....
VIRGINIA.								
* Va. Institution for the Education of the Deaf, Dumb, and Blind.	Staunton	34	22	12	34	.....	34	.....
WEST VIRGINIA.								
* West Virginia Institution for the Deaf, Dumb, and Blind.	Romney	19	13	6	19	.....	19	.....
WISCONSIN.								
* Wisconsin Institution for the Education of the Blind.	Janesville	64	30	34	56	8	63	1

TABLE CLI.—*Deaf-mutes in institutions for the same, by sex, nativity, and race:* 1880.

[Explanation of signs: * State institutions; † Catholic institutions; ¶ owned by the United States For notes, see page 1692.]

Institutions.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
The United States		5,267	3,000	2,267	4,981	286	5,172	95
ALABAMA.								
*Alabama Institution for the Deaf, Dumb, and Blind.	Talladega	41	24	17	41	.....	41	.....
ARKANSAS.								
*Arkansas Deaf-Mute Institute	Little Rock	77	45	32	76	1	75	2
CALIFORNIA.								
* Cal. Inst'n for the Education of the Deaf, Dumb, and Blind.	Berkeley	101	62	39	94	7	101	.....
COLORADO.								
* Institute for the Education of Mutes and the Blind.	Colorado Springs	6	3	3	5	1	6	.....
CONNECTICUT.								
Amer. Asylum for the Educa'n and Instruct'n of the Deaf and Dumb.	Hartford	*a* 189	113	76	177	12	188	1
Whipple's Home School for Deaf-Mutes.	Mystic River	15	12	3	15	.....	15	.....
DISTRICT OF COLUMBIA.								
¶ Columbia Inst'n for the Instruct'n of the Deaf and Dumb and National Deaf-Mute College.	Washington	81	74	7	80	1	71	10
GEORGIA.								
* Georgia Institution for the Education of the Deaf and Dumb.	Cave Spring	63	32	31	63	.....	63	.....
ILLINOIS.								
* Illinois Institution for the Education of the Deaf and Dumb.	Jacksonville	445	261	184	418	27	442	3
Chicago Day Schools for Deaf-Mutes: (*b*)								
Deaf-Mute High School	Chicago	.....	.....	.....	.....	.....	.....	.....
North Side Mute School	Chicago	.....	.....	.....	.....	.....	.....	.....
South Side Mute School	Chicago	.....	.....	.....	.....	.....	.....	.....
West Side Mute School	Chicago	.....	.....	.....	.....	.....	.....	.....
INDIANA.								
* Indiana Institution for Educating the Deaf and Dumb.	Indianapolis	300	174	126	300	.....	297	3
IOWA.								
* Iowa Institution for the Education of the Deaf and Dumb.	Council Bluffs	169	95	74	153	16	169	.....
KANSAS.								
* Kansas Institution for the Education of the Deaf and Dumb.	Olathe	74	42	32	71	3	71	3
KENTUCKY.								
* Kentucky Inst'n for Deaf-Mutes	Danville	111	66	45	110	1	111	.....
LOUISIANA.								
* Louisiana Institution for the Education of the Deaf and Dumb.	Baton Rouge	32	18	14	32	.....	32	.....
MAINE.								
Portland (Day) School for the Deaf (*b*)	Portland	19	11	8	19	.....	19	.....

TABLE CLI.—*Deaf-mutes in institutions for the same, &c.:* 1880—Continued.

Institutions.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
MARYLAND.								
* Maryland School for the Education of the Deaf and Dumb.	Frederick	c 89	50	39	86	3	89	.....
* Institution for Colored Blind and Deaf-Mutes.	Baltimore	17	9	8	17	.....	.....	17
Balto. Day School for Deaf-Mutes (b)	Baltimore	.....	.....	.....	.....	.....	.....	.....
MASSACHUSETTS.								
* Clarke Institution for Deaf-Mutes.	Northampton	80	41	39	74	6	80	.....
Industrial School for Deaf-Mutes	Beverly	11	6	5	9	2	11	.....
Horace Mann (Day) School for the Deaf. (b)	Boston	.....	.....	.....	.....	.....	.....	.....
MICHIGAN.								
* Mich. Inst'n for the Deaf and Dumb	Flint	203	109	94	168	35	203	.....
Deaf and Dumb Asylum (German Evangelical Lutheran).	Norris	36	23	13	31	5	36	.....
School of Articulat'n for the Deaf (d)	Marquette	3	1	2	3	.....	3	.....
MINNESOTA.								
* Minnesota Institution for the Education of the Deaf, Dumb, and Blind.	Faribault	102	63	39	68	34	102	.....
MISSISSIPPI.								
* Mississippi Institution for the Education of Deaf-Mutes.	Jackson	51	19	32	51	.....	51	.....
MISSOURI.								
* Missouri Institution for the Education of the Deaf and Dumb.	Fulton	180	98	82	177	3	178	2
† St. Bridget's Inst'n for Deaf-Mutes	Saint Louis	6	.....	6	6	.....	6	.....
Saint Louis Day School for Deaf-Mutes. (b)	Saint Louis	.....	.....	.....	.....	.....	.....	.....
NEBRASKA.								
* Nebr. Inst. for the Deaf and Dumb.	Omaha	63	38	25	56	7	63	.....
NEW YORK.								
* New York Institution for the Instruction of the Deaf and Dumb.	New York	e 452	259	193	406	46	445	7
* New York Institution, Tarrytown branch (for boys only).	Tarrytown	50	50	.....	47	3	50	.....
* Institution for the Improved Instruction of Deaf-Mutes.	New York	123	70	53	123	.....	123	.....
Central N. Y. Inst'n for Deaf-Mutes.	Rome	150	85	65	140	10	150	.....
Western N. Y. Inst'n for Deaf-Mutes	Rochester	f 108	64	44	102	6	107	1
† St. Joseph's Institute for the Improved Instruction of Deaf-Mutes (for girls).	Fordham	g 88	.....	88	79	9	88	.....
† St. Joseph's Institute for the Improved Instruction of Deaf-Mutes (for girls).	Brooklyn	51	.....	51	46	5	51	.....
† St. Joseph's Institute for the Improved Instruction of Deaf-Mutes (for boys).	Throgg's Neck	86	86	.....	85	1	86	.....
† Le Couteulx St. Mary's Inst'n for the Instruct'n of Deaf-Mutes.	Buffalo	122	68	54	120	2	122	.....
Home for Aged and Infirm Deaf-Mutes (church mission).	New York	h 11	8	3	10	1	11	.....
NORTH CAROLINA.								
* N. C. Institution for the Deaf, Dumb, and Blind.	Raleigh	55	24	31	55	.....	55	.....
* Colored department of the same	Raleigh	36	21	15	36	.....	.....	36
OHIO.								
* Ohio Institution for the Education of the Deaf and Dumb.	Columbus	g 410	220	190	409	1	400	10

TABLE CLI.—*Deaf-mutes in institutions for the same, &c.:* 1880—Continued.

Institutions.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
OHIO—continued.								
† St. Joseph's Inst. for Deaf-Mutes	Louisville	4	.....	4	4	.....	4	.....
Cincinnati Day School for Deaf-Mutes. (*b*)	Cincinnati	.....	.....	.....	.....	.....	.....	.....
OREGON.								
* Oreg. Inst'n for the Deaf and Dumb	Salem	14	8	6	14	.....	14	.....
PENNSYLVANIA.								
Pa. Inst'n for the Deaf and Dumb	Philadelphia	313	172	141	301	12	313	.....
Western Pa. Inst'n for the Instruct'n of the Deaf and Dumb.	Turtle Creek	93	59	34	91	2	93	.....
RHODE ISLAND.								
R. I. Day School for the Deaf (*b*)	Providence	.....	.....	.....	.....	.....	.....	.....
SOUTH CAROLINA.								
* S. C. Inst'n for the Education of the Deaf, Dumb, and Blind.	Cedar Springs	30	11	19	30	.....	30	.....
TENNESSEE.								
* Tennessee School for the Deaf and Dumb.	Knoxville	*i* 102	61	41	102	.....	102	.....
TEXAS.								
* Texas Deaf and Dumb Asylum	Austin	62	37	25	60	2	62	.....
VIRGINIA.								
* Va. Inst'n for the Education of the Deaf, Dumb, and Blind.	Staunton	*j* 82	49	33	82	.....	82	.....
WEST VIRGINIA.								
* West Virginia Institution for the Deaf, Dumb, and Blind.	Romney	62	40	22	62	.....	62	.....
WISCONSIN.								
* Wis. Inst'n for the Deaf and Dumb	Delavan	136	81	55	114	22	136	.....
† Catholic Deaf-Mute Institute	St. Francis Station	42	26	16	42	.....	42	.....
Wisconsin Phonological Institute for Deaf-Mutes.	Milwaukee	21	12	9	21	.....	21	.....

a Includes one who is also an idiot and blind.
b The number of inmates of day schools for deaf-mutes, with the exception of the one at Portland, Maine, is not given, as they were enumerated at their homes.
c Does not include three idiots, inmates of the institution, who are not deaf.
d The School of Articulation for the Deaf is a day school, but three of the pupils residing at the institution; the other scholars were enumerated at their homes.
e Includes five who are also blind.
f Includes three who are also idiots and one who is also blind.
g Includes one who is also an idiot and one who is also blind.
h Includes one who is also blind.
i Includes two who are also idiots.
j Includes one who is also an idiot.

TABLE CLII.—*Prisoners classified according to the places where found:* 1880.

States and Territories.	Total.	Penitentiaries.	County jails.	City prisons.	Workhouses.	Leased out.	Military prisons.	Insane hospitals.	Miscellaneous.
The United States	59,255	30,623	12,815	1,572	7,864	4,883	493	350	655
Alabama	1,398	387	267	.....	.....	708	.....	.....	36
Arizona	67	31	23	.....	.....	.....	7	.....	6
Arkansas	767	564	190	2	.....	.....	.....	.....	11
California	2,655	1,495	657	119	261	.....	115	.....	8
Colorado	380	185	84	111	.....	.....	.....	.....	.....
Connecticut	732	252	431	12	9	.....	.....	14	14
Dakota	60	.....	54	.....	.....	.....	5	.....	1
Delaware	82	.....	81	.....	.....	.....	.....	.....	1
District of Columbia	381	.....	190	.....	191	.....	.....	.....	.....
Florida	275	.....	86	.....	.....	175	.....	.....	14
Georgia	1,837	.....	299	6	.....	1,504	.....	.....	28
Idaho	32	22	10	.....	.....	.....	.....	.....	.....
Illinois	3,336	1,838	686	31	728	.....	.....	37	16
Indiana	1,635	1,238	297	67	14	.....	.....	.....	19
Iowa	811	546	247	2	.....	.....	.....	.....	16
Kansas	1,297	687	203	49	.....	.....	356	.....	2
Kentucky	1,423	802	471	5	120	.....	.....	.....	25
Louisiana	1,077	547	440	7	.....	72	.....	.....	11
Maine	408	213	185	.....	.....	.....	.....	7	3
Maryland	1,262	685	147	250	177	.....	.....	.....	3
Massachusetts	3,659	1,085	459	4	2,027	.....	.....	40	44
Michigan	1,923	1,183	218	36	471	.....	.....	2	13
Minnesota	428	248	106	68	.....	.....	.....	4	2
Mississippi	1,329	735	204	10	7	353	.....	2	18
Missouri	2,055	1,280	466	47	248	.....	.....	.....	14
Montana	77	53	23	.....	.....	.....	.....	.....	1
Nebraska	377	256	76	39	.....	.....	.....	.....	6
Nevada	199	150	49	.....	.....	.....	.....	.....	.....
New Hampshire	273	154	57	.....	44	.....	.....	12	6
New Jersey	1,599	1,054	483	5	.....	.....	.....	38	19
New Mexico	41	.....	40	.....	.....	.....	.....	.....	1
New York	8,808	6,300	854	273	1,146	.....	10	142	83
North Carolina	1,619	811	329	.....	25	405	.....	.....	49
Ohio	2,568	1,278	466	57	704	.....	.....	33	30
Oregon	233	180	40	7	.....	.....	.....	6	.....
Pennsylvania	4,886	1,837	1,676	90	1,230	.....	.....	.....	53
Rhode Island	320	107	47	.....	159	.....	.....	4	3
South Carolina	642	259	220	8	.....	139	.....	.....	16
Tennessee	2,129	1,310	483	11	142	154	.....	.....	29
Texas	3,153	1,302	814	23	.....	992	.....	.....	22
Utah	60	53	5	.....	.....	.....	.....	.....	2
Vermont	261	143	41	.....	65	.....	.....	9	3
Virginia	1,554	706	266	187	3	381	.....	.....	11
Washington	81	54	27	.....	.....	.....	.....	.....	.....
West Virginia	394	266	106	17	.....	.....	.....	.....	5
Wisconsin	598	308	178	10	93	.....	.....	.....	9
Wyoming	74	19	34	19	.....	.....	.....	.....	2

TABLE CLIII.—*Prisoners in penitentiaries, by sex, nativity, and race:* 1880.

[Explanation of signs: * State or territorial prisons; ¶ owned by the United States (the list of these was furnished by the Department of Justice); prisons not marked are county prisons. For notes, see page 1696.]

Prisons.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
The United States		30,623	29,211	1,412	24,731	5,892	22,923	7,700
ALABAMA.								
* State Penitentiary	Wetumpka	387	371	16	383	4	75	312
ARIZONA.								
* Territorial Prison	Yuma	31	31	.....	14	17	31	.....
ARKANSAS.								
* State Penitentiary	Little Rock	564	549	15	548	16	200	364
CALIFORNIA.								
* State Prison	San Quentin	1,495	1,489	6	816	679	1,191	*a* 304
* State Prison (*b*)	Folsom	.....	.....	.....	.....	.....	.....	.....
COLORADO.								
* State Penitentiary	Cañon City	185	184	1	126	59	171	14
CONNECTICUT.								
* State Prison	Wethersfield	252	249	3	194	58	224	28
IDAHO.								
¶ Territorial Prison	Boisé City	22	22	.....	14	8	18	*c* 4
ILLINOIS.								
* Northern Penitentiary	Joliet	1,510	1,487	23	1,199	311	1,410	100
* Southern Penitentiary	Chester	328	325	3	285	43	280	48
INDIANA.								
* State Prison, North	Michigan City	556	556	.....	480	76	507	49
* State Prison, South	Jeffersonville	629	629	.....	576	53	542	*d* 87
* Reformatory Institution for Women and Girls.	Indianapolis	53	.....	53	49	4	40	13
IOWA.								
* State Penitentiary	Fort Madison	409	407	2	351	58	387	22
* State additional Penitentiary	Anamosa	137	136	1	108	29	135	2
KANSAS.								
* State Penitentiary	Lansing	687	681	6	605	82	564	*e* 123
KENTUCKY.								
* Penitentiary	Frankfort	802	770	32	777	25	222	580
LOUISIANA.								
* Penitentiary	Baton Rouge	547	515	32	515	32	81	466
MAINE.								
* State Prison	Thomaston	213	213	.....	176	37	210	3
MARYLAND.								
* Penitentiary	Baltimore	685	640	45	625	60	261	424
MASSACHUSETTS.								
* State Prison	Warnerville	749	749	.....	531	218	715	34
* Reformatory Prison for Women	Sherborne	336	.....	336	175	161	331	5
MICHIGAN.								
* State Prison	Jackson	816	815	1	587	*f* 229	753	*g* 63
* State House of Correction and Reformatory.	Ionia	367	367	.....	280	87	356	*d* 11

TABLE CLIII.—*Prisoners in penitentiaries, by sex, nativity, and race:* 1880—Continued.

Prisons.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
MINNESOTA.								
* State Prison	Stillwater	248	241	7	170	78	241	*h* 7
MISSISSIPPI.								
* State Prison	Jackson	735	714	21	727	8	82	653
MISSOURI.								
* State Penitentiary	Jefferson City	1,280	1,228	52	1,121	159	908	*d* 372
MONTANA.								
¶ Penitentiary	Deer Dodge	53	51	2	33	*d* 20	47	*i* 6
NEBRASKA.								
* Penitentiary	Lincoln	256	252	4	204	52	239	*j* 17
NEVADA.								
* State Prison	Carson City	150	150	.....	86	64	123	*k* 27
NEW HAMPSHIRE.								
* State Prison	Concord	154	149	5	128	26	151	3
NEW JERSEY.								
* State Prison	Trenton	851	827	24	637	214	723	128
Essex County Penitentiary	Caldwell	90	85	5	57	33	76	14
Hudson Co. Penitentiary (Snake Hill)	Jersey City	113	93	20	51	62	111	2
NEW YORK.								
* State Prison	Auburn	968	968	.....	720	248	925	*l* 43
* State Prison (Clinton)	Dannemora	500	500	.....	360	140	469	*d* 31
* State Prison	Sing Sing	1,535	1,535	.....	1,100	435	1,444	*d* 91
* State Reformatory	Elmira	542	542	.....	470	72	526	*d* 16
Albany County Penitentiary	Albany	753	662	91	591	162	567	186
Erie County Penitentiary	Buffalo	183	146	37	104	79	183	.....
Kings County Penitentiary	Brooklyn	558	485	73	365	193	521	37
Monroe County Penitentiary	Rochester	247	195	52	176	71	233	14
New York County Penitentiary (Blackwell's island).	New York	765	630	135	491	274	743	22
Branch of same (Randall's island)	New York	49	49	.....	30	19	47	2
Onondaga County Penitentiary	Syracuse	200	180	20	130	70	191	9
NORTH CAROLINA.								
* Penitentiary	Raleigh	811	764	47	809	2	428	383
OHIO.								
* Penitentiary	Columbus	1,278	1,256	22	1,077	201	1,130	148
OREGON.								
* Penitentiary	Salem	180	180	.....	109	71	147	*m* 33
PENNSYLVANIA.								
* Eastern State Penitentiary	Philadelphia	1,091	1,068	23	883	208	963	128
* Western State Penitentiary	Allegheny City	746	734	12	610	*f* 136	683	63
RHODE ISLAND.								
* State Prison	Cranston Print Works.	107	100	7	87	20	91	*h* 16
SOUTH CAROLINA.								
* Penitentiary	Columbia	259	245	14	257	2	22	237
TENNESSEE.								
* State Penitentiary	Nashville	1,310	1,275	35	1,280	30	438	872

TABLE CLIII.—*Prisoners in penitentiaries, by sex, nativity, and race:* 1880—Continued.

Prisons.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
TEXAS.								
* Penitentiary	Huntsville	1,302	1,275	27	1,109	193	808	*d* 494
UTAH.								
¶ Penitentiary	Salt Lake City	53	53	.....	40	13	52	1
VERMONT.								
* State Prison	Windsor	143	138	5	113	30	139	4
VIRGINIA.								
* Penitentiary	Richmond	706	624	82	688	18	206	500
WASHINGTON.								
Territorial Prison	Olympia	47	46	1	29	18	37	*c* 10
¶ Penitentiary	McNeil's island	7	7	.....	4	3	5	*d* 2
WEST VIRGINIA.								
* Penitentiary	Moundsville	266	262	4	261	5	206	60
WISCONSIN.								
* State Prison	Waupun	308	298	10	195	*f* 113	295	*n* 13
WYOMING.								
¶ Penitentiary	Laramie City	19	19	.....	15	4	19	.....

a Including 264 Chinese and 32 Indians.
b Not opened until July 26, 1880.
c Including 3 Chinese and 1 Indian.
d Including 1 Indian.
e Including 5 Indians.
f Including 1 born at sea.
g Including 3 Indians.
h Including 2 Indians.
i Including 3 Chinese and 2 Indians.
j Including 1 Chinese and 3 Indians.
k Including 24 Chinese and 1 Indian.
l Including 4 Indians.
m Including 8 Indians.
n Including 6 Indians.

The total number of Chinese confined in penitentiaries is 298; Indians, 78.

TABLE CLIV.—*Inmates of reformatories, by sex, natirity, and race:* 1880.

[Explanation of signs: * State reform schools; ¶ owned by the United States; † Catholic institutions; reformatories not marked are city or county institutions or are the property of private corporations. For notes, see pages 1698-1699.]

Reformatories.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
The United States		11,340	9,137	2,203	10,356	984	10,102	1,238
CALIFORNIA.								
City and County Industrial School (male department).	San Francisco	100	100	(a)	84	16	87	b 13
† Magdalen Asylum	San Francisco	65	.....	65	65	.....	63	c 2
CONNECTICUT.								
* State Reform School	West Meriden	282	282	.....	263	19	262	20
Conn. Industrial School for Girls (d)	Middletown	147	.....	147	140	7	134	13
DISTRICT OF COLUMBIA.								
¶ Reform School of the Dist. of Col.	Washington	168	168	.....	167	1	80	88
ILLINOIS.								
* Illinois State Reform School	Pontiac	198	198	.....	179	19	176	22
† Chicago Reform and Indus. School	Chicago	19	19	.....	17	2	17	2
INDIANA.								
* Indiana House of Refuge	Plainfield	319	319	.....	319	.....	292	27
Indiana Reformatory Institution for Women and Girls. (e)	Indianapolis	144	.....	144	133	11	138	6
IOWA.								
* Iowa State Reform School	Eldora	192	192	.....	189	3	171	21
* Girl's Dept. of the State Ref. School	Mount Pleasant	65	.....	65	65	.....	63	2
KENTUCKY.								
House of Refuge	Louisville	223	181	42	217	6	156	67
LOUISIANA.								
House of Refuge (for boys)	New Orleans	102	102	.....	101	1	43	59
House of Refuge (for girls)	New Orleans	42	.....	42	41	1	.....	42
MAINE.								
* Maine State Reform School	Cape Elizabeth	116	116	.....	112	4	116	.....
MARYLAND.								
* House of Refuge	Baltimore	237	237	.....	223	14	237	.....
† St. Mary's Indus. School for Boys	Carroll	312	312	.....	297	15	311	1
House for Reformation and Instruction of Colored Children. (f)	Cheltenham	186	186	.....	186	.....	.....	186
Female House of Refuge	Baltimore	24	.....	24	23	1	24	.....
MASSACHUSETTS.								
* State Reform School	Westborough	181	181	.....	149	32	173	8
* State Indus. School for Girls (g)	Lancaster	77	.....	77	67	10	72	5
House of Reformat'n (Deer isl'd): (h)								
Department for Boys	Boston	152	152	.....	119	33	148	4
Department for Girls	Boston	90	.....	90	82	8	84	6
Truant School (Deer island)	Boston	116	116	.....	92	24	109	7
Lawrence Industrial School (i)	Lawrence	26	26	.....	22	4	26	.....
Lowell Reform School (j)	Lowell	43	39	4	39	4	43	.....
Worcester Truant Reform School (k)	Worcester	10	10	.....	8	2	10	.....
Plummer Farm School of Reform for Boys. (l)	Salem	31	31	.....	30	1	30	1
MICHIGAN.								
* State Reform School	Lansing	314	314	.....	262	52	280	c 34
MINNESOTA.								
* State Reform School	Saint Paul	112	103	9	97	15	108	4

TABLE CLIV.—*Inmates of reformatories by sex, nativity, and race:* 1880—Continued.

Reformatories.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
MISSOURI.								
House of Refuge	Saint Louis	247	176	71	233	14	184	*c* 63
NEW HAMPSHIRE.								
* State Reform School	Manchester	111	96	15	92	19	110	1
NEW JERSEY.								
* State Reform School for Boys	Jamesburg	272	272	.....	242	30	242	30
* State Indus School for Girls (*m*)	Trenton	33	.....	33	33	.....	27	6
Newark City Home (ref. school) (*n*)	Verona	133	112	21	122	11	121	12
NEW YORK.								
New York House of Refuge (Randall's island). (*o*)	New York	677	572	105	587	90	622	*c* 55
* Western House of Refuge (*p*)	Rochester	585	453	132	502	83	539	*q* 46
New York Juvenile Asylum (*r*)	New York	671	529	142	560	111	640	31
† New York Catholic Protectory: (*s*)								
Male Department	Westchester	1,108	1,108	.....	1,009	99	1,106	2
Female Department	Westchester	589	.....	589	539	50	587	2
† House of the Good Shepherd (*t*)	New York	.....	.....	.....	.....	.....	.....	.....
Truant Home of the City of Brooklyn. (*u*)	Flatbush	84	84	.....	78	6	83	1
OHIO.								
* State Reform School for Boys	Lancaster	537	537	.....	530	7	493	44
Cincinnati House of Refuge (*v*)	Cincinnati	240	181	59	230	10	209	31
House of Refuge and Correction (*w*)	Cleveland	103	95	8	93	10	88	15
House of Refuge and Correction (*x*)	Toledo	171	171	.....	171	.....	162	9
PENNSYLVANIA.								
House of Refuge: (*y*)								
White Department	Philadelphia	309	234	75	286	23	309	.....
Colored Department	Philadelphia	168	123	45	165	3	.....	*c* 168
* Pennsylvania Reform School	Morganza	337	291	46	320	17	288	49
RHODE ISLAND.								
* Providence Reform School (*z*)	Providence	180	144	36	163	17	158	22
TENNESSEE.								
House of Industry (for girls)	Nashville	12	.....	12	12	.....	12	.....
TEXAS.								
† Galveston Reformatory	Galveston	8	4	4	6	2	8	.....
VERMONT.								
* Vermont Reform School	Vergennes	149	125	24	134	15	149	.....
WISCONSIN.								
* Wisconsin Indus. School for Boys	Waukesha	428	428	.....	372	56	417	*c* 11
Wisconsin Indus. School for Girls	Milwaukee	95	18	77	89	6	95	.....

a Both boys and girls are committed to the San Francisco Industrial School, but only boys are retained in the institution. By an arrangement with the Sisters of Mercy, girls committed to this school are sent to the Magdalen Asylum, an institution for the reclamation of fallen women, and are there maintained and cared for at the expense of the Industrial School fund.

b Including 5 Chinese and 2 Indians.

c Including 1 Indian.

d The Connecticut Industrial School for Girls is a private corporation for the custody, guardianship, discipline, and instruction of viciously inclined girls between the ages of eight and sixteen years. The inmates are committed by the courts, and a fixed stipend per week is paid by the state for their maintenance.

e The Indiana Reformatory Institution for Women and Girls has two departments, of which one is a state prison for women and the other is a reform school for girls. The latter department only is included in the statement of the number of inmates. There were 53 additional inmates June 1, 1880, in the penitentiary department.

f The House for Reformation and Instruction of Colored Children is a private corporation for the

care of incorrigible, criminal, and vicious colored boys committed during their minority by magistrates and courts. It is supported in part by the state of Maryland and city of Baltimore.

g Maintained by the state for the custody and care of girls guilty of petty offenses, or committed as vagrants, or perversely obstinate, or without proper guardians and exposed to a life of crime and wretchedness.

h A city institution. It receives children of both sexes committed during minority for petty offenses, while the Truant School, upon the same premises and under the same management, is for children of like character and surroundings, but who are convicted of nothing but truancy, and can be committed only for a term not exceeding two years. From the House of Reformation there are apparently reported 27 truants.

i An institution maintained by the city of Lawrence for the reception, instruction, employment, and reformation of juvenile offenders.

j Established in 1845 by an act of the legislature, and its full title is the House of Employment and Reformation of Juvenile Offenders. It is maintained by the city of Lowell, but cities and towns outside of Lowell are allowed to send their truants to it. It appears to be a truant school situated upon the almshouse farm.

k Not a chartered institution, but maintained by the overseers of the poor, in their capacity as truant commissioners, at the city almshouse for the suppression of truancy.

l A city school for the instruction, employment, and reformation of juvenile offenders; chartered and the title vested in a board of trustees appointed by the mayor.

m Supported by appropriations from the state treasury, and designed for the instruction and reformation of girls between the ages of seven and sixteen years committed to its care.

n Maintained by the city of Newark, under the management of trustees, for the reformation of boys and girls.

o The House of Refuge on Randall's island is the property of a private corporation, chartered in 1824, and entitled "The Society for the Reformation of Juvenile Delinquents in the city of New York". Under the amended act of incorporation it receives vagrant and disorderly children of both sexes from the first, second, and third judicial districts of the state of New York. Its income is derived from the labor of the inmates, from theater licenses granted by the city of New York, from the school fund, and from annual appropriations by the state legislature.

p A state reform school for juvenile delinquents from the fourth, fifth, sixth, seventh, and eighth judicial districts of the state of New York.

q Including 4 Indians.

r The New York Juvenile Asylum is a private corporation, chartered in 1851, and its object, as stated in the charter, is to provide for and reclaim truant, disobedient, and vagrant children. It derives its income from the city of New York, the state educational fund, and private donations.

s The New York Catholic Protectory is the property of a private corporation, chartered in 1863, and entitled The Society for the Protection of Destitute Catholic Children in the city of New York. It is empowered under the charter to receive (1) children under the age of fourteen years, who, by consent in writing of their parents or guardians, may be intrusted to it for protection or reformation; (2) children between seven and fourteen years of age who may be committed to the care of such corporation as idle, truant, vicious, or homeless children by order of any magistrate in the city of New York empowered by law to make committal of children for any such cause; (3) children of the like age who may be transferred, at the option of the commissioners of public charities and correction of the city of New York, to such corporation. Its sources of income are various: a per capita allowance from the city treasury, voluntary contributions by individuals, special appropriations by the legislature of the state, the earnings of inmates, and charges collected from parents and guardians for the support of its inmates. In the statement of the number of inmates present June 1, 1880, as given in this table, all the inmates are included of every class, but it is not probable that all of them are delinquents, or belong properly to the criminal class.

t The House of the Good Shepherd is an institution for the reformation of female penitents, but by the terms of "An act concerning certain vagrants of the city of New York" (see Laws, 1867, chap. 409) it was appointed as a place to which girls between the ages of fourteen and twenty-one years might be committed, for reformation, by the courts; and for the maintenance of persons so committed a per capita allowance is paid by the city of New York. But none of the inmates were reported upon the prison schedules, and therefore no statement can be made of the number present June 1, 1880.

u The legal title is the Juvenile House of Industry. It is maintained at the expense of the city of Brooklyn, for the reformation of juvenile delinquents and of children committed for vagrancy, truancy, disobedience to parents, etc.

v Maintained by the city of Cincinnati, for the reformation of boys under sixteen years of age and girls under fourteen.

w The Cleveland House of Refuge for Boys is upon the same premises with the workhouse, and under the same management, but constitutes a separate department of the prison. In the statement of the number of inmates, as given in this table, the adult prisoners in the workhouse are not included.

x The Toledo House of Refuge is the property of the city, but the inmates are received from the state of Ohio, which pays the city a fixed stipend per capita for their maintenance.

y A private corporation. It receives children committed by the court of oyer and terminer upon conviction of a criminal offense; also vagrant, incorrigible, or vicious children committed by magistrates on complaint of the parent or on complaint of any other person that the parent or next friend is incapable or unwilling to control them. Juvenile delinquents, disobedient children, truants, and children who are vagrants or associate with dissolute persons in Philadelphia county may also be committed to the House of Correction, Employment, and Reformation, a city institution at Holmesburg. This is a mixed institution, being a workhouse both for criminals and paupers, and the number incarcerated upon conviction has not been ascertained. The institution is therefore not included upon any of the census lists of prisons, but is reported as an almshouse.

z A city institution, designed to be a school for the confinement, instruction, and reformation of juvenile offenders and of young persons of idle, vicious, or vagrant habits. The state pays a per capita allowance for the board of inmates, and any deficiency is made up from the city treasury. The institution also receives pupils not committed, at a fixed charge per week to their parents or guardians.

TABLE CLV.—*Prisoners in workhouses and houses of correction, by sex, nativity, and race:* 1880.

[Explanation of signs: * State institutions; ¶ owned by the United States; † Catholic institutions. For notes, see page 1701.]

Correctional institutions.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
The United States		7,864	5,966	1,898	4,425	3,439	7,111	753
CALIFORNIA.								
House of Correction	San Francisco	261	230	31	151	110	227	*a* 34
CONNECTICUT.								
Town House	Waterbury	9	5	4	4	5	9	.....
DISTRICT OF COLUMBIA.								
¶ Workhouse of the Washington Asylum.	Washington	191	134	57	157	34	81	*b* 110
ILLINOIS.								
House of Correction	Chicago	680	554	126	363	317	648	32
House of Correction	Peoria	41	37	4	29	12	39	2
City Workhouse	Quincy	7	5	2	7	.....	4	3
INDIANA.								
† House of Good Shepherd	Indianapolis	14	.....	14	14	.....	14	.....
KENTUCKY.								
City Workhouse	Louisville	87	66	21	68	19	50	37
City Workhouse	Lexington	24	18	6	23	1	11	13
Boyle County Workhouse	Danville	(*c*)	.....	.....	.....	.....	.....	.....
Jessamine County Workhouse	Nicholasville	9	6	3	9	.....	.....	9
MARYLAND.								
House of Correction	Jessup's Cut	177	117	60	124	53	114	63
MASSACHUSETTS.								
* State Workhouse	Bridgewater	179	127	52	71	108	178	1
Deer Island House of Industry and House of Reformation for Juvenile Offenders.	Boston	284	210	74	130	154	276	*b* 8
Barnstable Co. House of Correction	Barnstable	14	13	1	14	.....	14	.....
Berkshire Co. House of Correction	Pittsfield	76	73	3	51	25	66	10
Bristol County House of Correction	New Bedford	124	108	16	73	51	122	2
Essex County House of Correction	Lawrence	183	167	16	99	84	182	1
Essex County House of Correction	Ipswich	104	92	12	64	*d* 40	101	3
Franklin Co. House of Correction	Greenfield	25	22	3	18	7	25	.....
Hampden Co. House of Correction	Springfield	65	62	3	43	22	65	.....
Hampshire Co. House of Correction	Northampton	24	24	.....	13	11	24	.....
Middlesex Co. House of Correction	East Cambridge	243	217	26	139	104	239	4
Nantucket Co. House of Correction	Nantucket	(*c*)	.....	.....	.....	.....	.....	.....
Norfolk Co. House of Correction	Dedham	52	49	3	33	19	50	2
Plymouth Co. House of Correction	Plymouth	24	24	.....	18	6	24	.....
Suffolk County House of Correction	South Boston	460	392	68	281	179	447	13
Worcester Co. House of Correction	Fitchburg	40	38	2	25	15	39	1
Worcester Co. House of Correction	Worcester	130	124	6	78	52	127	3
MICHIGAN.								
Detroit House of Correction	Detroit	471	380	91	343	128	392	*e* 79
MISSISSIPPI.								
City Workhouse	Vicksburg	7	6	1	7	.....	4	3
MISSOURI.								
City Workhouse	Saint Louis	200	151	49	130	70	153	*b* 47
City Workhouse	Kansas City	47	45	2	29	18	37	10
City Workhouse	Jefferson City	1	1	.....	1	.....	.....	1
NEW HAMPSHIRE.								
Cheshire Co. House of Correction	Keene	2	2	.....	.....	2	2	.....
Hillsborough Co. House of Correct'n	Manchester	15	8	7	10	5	14	.....
Rockingham Co. House of Correct'n	Brentwood	19	15	4	14	5	18	1
Manchester House of Correction	Manchester	5	3	2	1	4	5	.....
Nashua House of Correction	Nashua	3	3	.....	1	2	3	.....

TABLE CLV.—*Prisoners in workhouses and houses of correction, &c.:* 1880—Continued.

Correctional institutions.	Location.	Total.	Male.	Female.	Native.	Foreign.	White.	Colored.
NEW YORK.								
City Workhouse (Blackwell's isl'd).	New York	800	415	385	196	604	795	5
Branch Workhouse (Hart's island)	New York	155	111	44	62	93	154	1
Workhouse convicts at work on Ward's island.	New York	114	32	82	45	69	111	3
Workhouse convicts at work on Randall's island:								
In Infants' Hospital	New York	45	36	9	15	30	43	2
In Children's Nursery	New York	32	16	16	10	22	31	1
NORTH CAROLINA.								
Wake County Workhouse	Raleigh	20	17	3	20	.....	3	17
New Hanover County Poorhouse and Workhouse.	Wilmington	5	4	1	5	.....	1	4
OHIO.								
City Workhouse	Cincinnati	392	274	118	227	165	354	38
Workhouse and House of Refuge and Correction.	Cleveland	250	184	66	127	123	230	20
City Workhouse	Dayton	32	30	2	16	16	32	.....
City Workhouse	Toledo	30	30	.....	19	11	30	.....
PENNSYLVANIA.								
House of Correction, Employment, and Reformation.	Philadelphia	817	595	222	443	374	793	24
Allegheny County Workhouse	Claremont	413	342	71	275	138	373	40
RHODE ISLAND.								
* State Workhouse and House of Correction.	Providence	159	110	49	85	74	157	2
TENNESSEE.								
City Workhouse	Nashville	38	20	18	37	1	4	34
Hamilton County Workhouse	Chattanooga	17	8	9	17	.....	8	9
Knox County Workhouse	Knoxville	55	33	22	53	2	35	20
Shelby County Workhouse	Memphis	30	27	3	29	1	2	*f* 28
Loudon County Workhouse	Loudon	2	2	.....	2	.....	.....	2
VERMONT.								
* State Prison Workhouse	Rutland	65	64	1	51	14	62	3
VIRGINIA.								
City Workhouse	Alexandria	3	1	2	3	.....	1	2
WISCONSIN.								
Milwaukee Co. House of Correction	Milwaukee	93	87	6	53	40	87	6

a Including 30 Chinese and 1 Indian.
b Including 1 Indian.
c No inmates June 1, 1880.
d Including 1 born at sea.
e Including 16 Indians.
f Including 1 Chinese.

The total number of Chinese confined in workhouses is 31; Indians, 20.

TABLE CLVI.—*Summary, showing the number and location of the defective, dependent, and delinquent classes on June 1, 1880 (exclusive of homeless children).*

Location.	Total.	Insane.	Idiots.	Deaf-mutes.	Blind.	Prisoners.	Paupers. (a)
The United States	410,958	91,997	76,895	33,878	48,928	70,595	88,665
In insane hospitals and asylums	42,488	40,942	1,141	21	31	350	.....
In educational institutions, other than day schools.	10,064	.....	2,429	b 5,393	c 2,242	.....	.....
In other benevolent institutions	1,039	235	241	79	484	.....	.....
In almshouses	85,277	9,302	5,837	511	2,569	.....	67,067
In prisons, workhouses, houses of correction, and leased out.	43,870	.....	.....	3	4	43,863	.....
In jails, lockups, and station-houses	14,860	417	47	1	8	14,387	.....
In reformatories	11,341	.....	.....	.....	1	11,340	.....
At home or in private families	204,364	41,101	67,200	27,867	43,598	.....	21,598
Miscellaneous	655	.....	.....	.....	.....	655	.....

a Comprises only inmates of almshouses and persons receiving out-door relief.

b Includes 126 teachers and employés who are deaf-mutes.

c Includes 85 teachers and employés who are blind.

MORTALITY.

1703

MORTALITY STATISTICS

Compiled under the direction of Surgeon JOHN S. BILLINGS, U. S. A.

The total number of deaths recorded and tabulated as occurring in the United States during the census year is 756,893, being a death-rate of 15.1 to the thousand. This death-rate is decidedly higher than that given in the census of 1860, viz, 12.5, and of 1870, viz, 12.8 per thousand, but this does not indicate any actual increase in the number of deaths as compared with the living population. It shows, rather, that the efforts made in the census of 1880 to obtain more complete returns of deaths than had been collected in previous enumerations have been to some extent successful.

Excluding the states of Massachusetts and New Jersey, the District of Columbia, and also the following-named cities: Baltimore, Bangor, Brooklyn, Chicago, Cincinnati, Charleston, Cleveland, Indianapolis, Louisville, Milwaukee, Mobile, Nashville, New Orleans, New York, Philadelphia, Pittsburgh, Providence, Richmond, Saint Louis, San Francisco, Washington, and Wilmington, the number of deaths actually reported by the enumerators was 520,339. To these returns of deaths furnished by the enumerators there were added from registers furnished by physicians throughout the country 61,020 additional cases of death. For the states of Massachusetts and New Jersey, and the cities above mentioned, the state and municipal registration records of deaths were copied and used in the tabulations. These records are based on a regular system of registration and on burial permits, and are therefore probably very nearly accurate. The records give 175,534 deaths.

In order to obtain some positive data from which might be calculated the amount of deficiency in the enumerators' returns of deaths, their returns for the state of Massachusetts, excluding the city of Boston, and for the whole state of New Jersey have been tabulated and compared with the records furnished from the state registration offices, the total deficiency in which is considered not to exceed 2 per cent. The result of this comparison is that for the state of Massachusetts, excluding Boston, the deficiency in the enumerators' returns amounts to 26.42 per cent. of the whole number returned by them. For the state of New Jersey the deficiency is 34.45 per cent. It may be considered certain that in no state is the deficiency in the enumerators' returns less than it is in Massachusetts. The deficiency is greatest in the case of infants, of females, and of foreigners, and increases in a tolerably uniform ratio for each month, going backward in time from the date of taking the census. It is also greatest in the more thinly-settled sections of the country.

If we take the enumerators' returns as corrected by the addition of cases obtained from physicians' registers, viz, 2,286 for Massachusetts and 1,636 for New Jersey, the deficiencies thus corrected amount to 13.34 per cent. of the corrected returns for Massachusetts and 20.14 per cent. for New Jersey.

If we suppose that after the addition of the 61,020 cases of deaths reported by physicians to the returns of the enumerators these last, excluding the states and cities above mentioned, are still deficient as much as 30 per cent., which is believed to be the maximum, the result will be an average mortality for the whole country of 18.2 per thousand of living population per annum. The actual mortality for the whole country during the census year was not less than 17 nor greater than 19 per thousand. This rate compares favorably with that of all other civilized countries. The death-rate in the rural population of England, comprising ten and one-half millions of people in the year 1880, was 18.5 per thousand. For the whole of England for the same year, it was 20.5 per thousand. For Scotland, in 1878, it was 21.3 per thousand; in the mainland rural group of Scotland for the same period it was 17.3 per thousand.

The low death-rate in this country is considered to be due to the comparative absence of overcrowding and to the more general and equable distribution of the means of supporting life, including especially the abundant food supply of good quality for all classes of people.

The most valuable information furnished by the present census in regard to the health of the country is derived from those tables which show the relations of various causes of death to sex, age, and locality, since the conclusions which may be drawn from these are comparatively slightly affected by the deficiencies above referred to. The form of the Compendium does not admit the giving of these tables, which are extensive and elaborate, but a specimen of some of the deductions which may be obtained from them will be given by way of illustration.

COLOR.

In a population of 43,402,970 whites, there are recorded 640,191 deaths, giving a death-rate of 14.74 per thousand. In a population of 6,752,813 colored, there are recorded 116,702 deaths, giving a death-rate of 17.28 per thousand. Taking those states east of the Mississippi river which have the largest colored population, viz, Alabama, District of Columbia, Florida, Georgia, Kentucky, Maryland, Mississippi, North and South Carolina, Tennessee, Virginia, and Louisiana (including that part west of the river), we find that the total white population is 8,053,962, and the number of deaths recorded is 113,110, giving a death-rate of 14.04 per thousand. The colored population of the same states is 5,303,267, and the number of deaths among these is reported as 91,328, giving a death-rate of 17.22 per thousand. It is in this section of country that the deficiencies in the enumerators' returns of deaths are probably

the greatest, and they are also probably greater among the colored than among the white population. The difference in mortality between the white and colored is especially well marked in the southern states, and is largely due to the relatively great number of deaths among infants in the colored population.

SEX.

Of the total number of deaths reported, 391,960 were of males and 364,933 were of females, the total living population being 25,518,820 males and 24,636,963 females. For every thousand deaths of females there were 1,074 of males. These figures give a male death-rate of 15.35 per thousand and a female death-rate of 14.81 per thousand. It should be borne in mind, however, that the proportion of female to male deaths is somewhat greater than these figures would indicate.

AGE.

Of the 390,644 deaths of males in which the ages are recorded, 96,894 occurred under one year of age and 163,880 under five years of age. Of the 363,874 deaths of females of which the ages are recorded, 78,372 were under one year of age and 138,926 under five years of age. The proportion of deaths of males under one year of age to all deaths recorded was 248.03 per thousand; of those under five years of age, 419.51 per thousand. The proportion of deaths of females under one year of age to those of all ages recorded was 215.38 per thousand; of those under five years of age, 381.85 per thousand. The proportion to all deaths of which the ages are recorded of deaths of persons from five to fifteen years of age was 87.57 per thousand; from fifteen to sixty years of age, 299.66 per thousand, and over sixty years of age, 172.40 per thousand.

CAUSES.

Of the total number of deaths, the causes of death were either not reported at all, or were so reported as to be necessarily classed as unknown in 23,053 cases, leaving a total of 733,840 cases of death in which the causes are distinguished. It is believed that the causes of death have been obtained much more accurately than in any preceding census, owing to the very general aid and co-operation of the physicians of the country in revising and correcting the enumerators' returns with reference to this point. To illustrate some points brought out in the tabulations which have been made the following figures are given with regard to a few special causes of death.

DIPHTHERIA.

The number of cases of deaths reported as due to diphtheria is: Males, 18,849; females, 19,549; total, 38,398; giving a proportion of 52.32 per

thousand of all deaths in which the causes are reported. The total number of deaths from diphtheria under one year of age was 2,896; under five years of age, 20,035; between five and fifteen years of age, 16,162. In Table CLVIII is given the number of deaths from this disease in each state group of counties in the United States.

In Grand Group I (north Atlantic region, for composition of which see *infra*) the proportion of deaths from diphtheria to the total number of deaths having recorded causes was 51.29 per thousand, being in the cities (New Haven, Boston, Cambridge, Fall River, Lawrence, Lowell, Lynn, and Providence) 46.71 per thousand, and in the remainder of the group, including the smaller towns and rural districts, 53.80 per thousand.

In Grand Group IV (the Gulf coast, for composition see *infra*) the proportion of deaths from diphtheria was 12.16 per thousand, being in the city of New Orleans 13.74 and in the remainder of the group 12.27 per thousand.

In Grand Group VII (being the lake region, for composition see *infra*) the proportion of deaths from diphtheria was 81.15 per thousand of all deaths reported, being in the cities (Chicago, Milwaukee, Detroit, Cleveland, Buffalo, Rochester, and Toledo) 78.15 and in the remainder of the group 84.10 per thousand.

ENTERIC FEVER.

The total number of deaths from enteric (typhoid) fever reported is: Males, 11,852; females, 11,053; total, 22,905; being in the proportion of 31.21 per thousand of all deaths having reported causes. The total number of deaths from this disease under one year of age was 654; under five years, 2,707; from five to fifteen years, 3,952; from fifteen to sixty years, 13,945; over sixty years of age, 2,248.

In Grand Group I (the north Atlantic region) the proportion of deaths from enteric fever to the total number of deaths having recorded causes was 18.64 per thousand, being in the larger cities (for list of which see above) 16.26 and in the smaller towns and rural districts 19.95 per thousand.

In Grand Group IV (the Gulf coast) the proportion of deaths from this disease was 22.01 per thousand, being in the city of New Orleans 7.67 and in the remaining portion of the group 30.02 per thousand.

In Grand Group VII (being the lake region) the proportion of deaths from this disease was 22.28 per thousand of all deaths reported, being in the large cities 17.16 and in the remainder of the group 27.31 per thousand.

It will be seen from these figures that neither diphtheria nor enteric fever are especially diseases of the large cities. They appear to be more prevalent in the small towns and rural districts which have no general water supply or systems of sewerage, but obtain their water from springs and wells and observe the usual custom of storing excreta in cesspools or vaults.

MALARIAL FEVERS.

The total number of deaths reported as due to malarial fevers is: Males, 10,276; females, 9,985; total, 20,261; giving a proportion of 27.61 per thousand of all deaths from reported causes. The total number of deaths from these fevers under one year of age was 2,002; under five years, 6,182; from five to fifteen years, 3,482; from fifteen to sixty years, 7,909; sixty years and over, 2,623.

In Grand Group I (north Atlantic region) the proportion of deaths from malarial fever to all deaths recorded was 4.56 per thousand, being in the cities 3.02 and in the remainder of the group 5.40 per thousand.

In Grand Group IV the proportion of deaths from this disease was 65.85 per thousand, being in the city of New Orleans 44.81 and in the remaining portion of the group 77.61 per thousand.

In Grand Group VII (the lake region) the proportion of deaths from these fevers was 9.74 per thousand, being for the large cities 8.27 and for the remainder of the group 11.18 per thousand.

CONSUMPTION.

This is the cause of death to which the greatest number of cases are referred in the records, there being reported 40,619 males and 50,932 females as dying of this disease, giving a proportion of 124.75 per thousand of all deaths having reported causes, or a little over 12 per cent. Taking the same groups used above, we find that in Grand Group I, in the cities, consumption caused 150.55 per thousand of all cases of reported deaths, and in the remainder of the group 172.77 per thousand, giving an average of 164.89 per thousand.

In Grand Group IV it caused in New Orleans 152.11 per thousand, and in the remainder of the group 97.66 per thousand, the average being 117.18 per thousand.

In Grand Group VII it caused in the cities 97.66, and in the rural districts 130.22 per thousand, giving an average of 114.08 per thousand.

It will be seen from these figures that in the north Atlantic and lake regions the mortality from consumption is highest in the small towns and rural districts, while on the Gulf coast the mortality is greatest in the city of New Orleans, in which it is higher than in the northern cities. This is probably due to the fact that New Orleans is not sewered or drained as are the northern cities, and has the soil water very near the surface.

The total number of deaths reported as due to accidents and injuries is 35,932, divided as follows: Burns and scalds, 4,786; drowned, 4,320; exposure and neglect, 1,299; gunshot wounds, 2,289; homicide, 1,336; infanticide, 40; injuries by machinery 120; railroad accidents, 2,349; suffocation, 2,339; suicide by shooting, 472; suicide by drowning, 155; suicide by poison, 340; other suicides, 1,550; sunstroke, 557; other accidents and injuries, 13,980.

Some data relative to other important diseases will be found in Table CLVIII, the data from which should be used in connection with those given in Table CLVII. The state groups referred to in Tables CLVII and CLVIII are composed of groups of counties, as follows:

ALABAMA.

Group 1.

Baldwin.
Mobile.

Group 2.

Blount.
Calhoun.
Cherokee.
Cleburne.
Colbert
Cullman.
De Kalb.
Etowah.
Franklin.
Jackson.
Jefferson.
Lauderdale.
Lawrence.
Limestone.
Marshall.
Madison.
Morgan.
Shelby.
Saint Clair.
Walker.
Winston.

Group 3.

Autauga.
Barbour.
Bibb.
Bullock.
Butler.
Chambers.
Chilton.
Choctaw.
Clarke.
Clay.
Coffee.
Coosa.
Conecuh.
Covington.
Crenshaw.
Dale.
Dallas.
Elmore.
Escambia.
Fayette.
Geneva.
Greene.
Hale.
Henry.
Lamar.
Lee.
Lowndes.
Macon.
Marengo.
Marion.
Monroe.
Montgomery.
Perry.
Pickens.
Pike.
Randolph.
Russell.
Sumter.
Tallapoosa.
Talladega.
Tuscaloosa.
Washington.
Wilcox.

ARIZONA.

The territory forms one group.

ARKANSAS.

Group 1.

Chicot.
Craighead.
Crittenden.
Cross.
Desha.
Jefferson.
Lee.
Lincoln.
Mississippi.
Phillips.
Poinsett.
Saint Francis.

Group 2.

Arkansas.
Ashley.
Baxter.
Benton.
Boone.
Bradley.
Calhoun.
Carroll.
Clark.
Clay.
Columbia.
Conway.
Crawford.
Dallas.
Dorsey.
Drew.
Faulkner.
Franklin.
Fulton.
Garland.
Grant.
Greene.
Hempstead.
Hot Spring.
Howard.
Independence.
Izard.
Jackson.
Johnson.
La Fayette.
Lawrence.
Little River.
Logan.
Lonoke.
Madison.
Marion.
Miller.
Monroe.
Montgomery.
Newton.
Nevada.
Ouachita.
Perry.
Pike.
Polk.
Pope.
Prairie.
Pulaski.
Randolph.
Saline.
Scott.
Searcy.
Sevier.
Sebastian.
Sharp.
Stone.
Union.
Van Buren.
Washington.
White.
Woodruff.
Yell.

CALIFORNIA.

Group 1.

Alpine.	Kern.	Nevada.	Siskiyou.
Amador.	Lake.	Placer.	Sutter.
Butte.	Lassen.	Plumas.	Stanislaus.
Calaveras.	Mariposa.	Sacramento.	Tehama.
Colusa.	Merced.	San Bernardino.	Tulare.
El Dorado.	Modoc.	San Joaquin.	Tuolumne.
Fresno.	Mono.	Shasta.	Yolo.
Inyo.	Napa.	Sierra.	Yuba.

Group 2.

Alameda.	Marin.	San Francisco.	Santa Cruz.
Contra Costa.	Mendocino.	San Luis Obispo.	Solano.
Del Norte.	Monterey.	San Mateo.	Sonoma.
Humboldt.	San Benito.	Santa Barbara.	Trinity.
Los Angeles.	San Diego.	Santa Clara.	Ventura.

COLORADO.

Group 1.

Arapahoe.	Douglas.	El Paso.	Pueblo.
Bent.	Elbert.	Las Animas.	Weld.

Group 2.

Boulder.	Fremont.	Jefferson.	Rio Grande.
Clear Creek.	Gilpin.	Lake.	Routt.
Chaffee.	Grand.	La Plata.	Saguache.
Conejos.	Gunnison.	Larimer.	San Juan.
Costilla.	Hinsdale.	Ouray.	Summit.
Custer.	Huerfano.	Park.	

CONNECTICUT.

Group 1.

Fairfield.	Middlesex.	New Haven.	New London.

Group 2.

Hartford.	Litchfield.	Tolland.	Windham.

DAKOTA.

Group 1.

Aurora.	Fort Sisseton Indian reservation.	Hand.	McHenry.
Barnes.		Hanson.	McPherson.
Beadle.	De Smet.	Hutchinson.	Pembina.
Bottineau.	Deuel.	Kidder.	Ramsey.
Bramble.	Douglas.	Kingsbury.	Ransom.
Brookings.	Edmunds.	Lake.	Renville.
Brown.	Faulk.	La Moure.	Richland.
Cass.	Foster.	Lincoln.	Rolette.
Cavileer.	French.	Logan.	Sheridan.
Clark.	Gingras.	Minnehaha.	Spink.
Codington.	Grand Forks.	Miner.	Stutsman.
Davison.	Grant.	Moody.	Traill.
Day.	Hamlin.	McCook.	Turner.

DAKOTA—Continued.

Group 2.

Bonhomme.	Clay.	Mountraille.	Todd.
Boreman.	Edmunds.	Potter.	Wallette.
Brulé.	Gregory.	Presho.	Walworth.
Buffalo.	Howard.	Rusk.	Williams.
Burleigh.	Hughes.	Stanley.	Yankton.
Campbell.	Lyman.	Sully.	Union.
Charles Mix.	Mercer.	Stevens.	

Group 3.

Billings.	Lawrence.	Morton.	Stark.
Cheyenne.	Lugenbeel.	Pennington.	Tripp.
Custer.	Mandan.	Pratt.	White River.
Delano.	Meyer.	Shannon.	Ziebach.
Forsyth.			

DELAWARE.

The state forms one group.

DISTRICT OF COLUMBIA.

The District forms one group.

FLORIDA.

The state forms one group.

GEORGIA.

Group 1.

Appling.	Chatham.	Liberty.	Screven.
Bryan.	Clinch.	Lowndes.	Tattnall.
Bulloch.	Echols.	McIntosh.	Ware.
Camden.	Effingham.	Pierce.	Wayne.
Charlton.	Glynn.		

Group 2.

Banks.	Fannin.	Hall.	Pickens.
Bartow.	Floyd.	Haralson.	Polk.
Catoosa.	Forsyth.	Hart.	Rabun.
Chattooga.	Franklin.	Jackson.	Towns.
Cherokee.	Fulton.	Lumpkin.	Union.
Cobb.	Gilmer.	Madison.	Walker.
Dade.	Gordon.	Milton.	White.
Dawson.	Gwinnett.	Murray.	Whitfield.
De Kalb.	Habersham.	Paulding.	

Group 3.

Baker.	Dooly.	Lincoln.	Schley.
Baldwin.	Dougherty.	Macon.	Spalding.
Berrien.	Douglas.	Marion.	Stewart.
Bibb.	Early.	Meriwether.	Sumter.
Brooks.	Elbert.	Miller.	Talbot.
Burke.	Emanuel.	Mitchell.	Taliaferro.
Butts.	Fayette.	Monroe.	Taylor.
Calhoun.	Glascock.	Montgomery.	Telfair.
Campbell.	Greene.	Morgan.	Terrell.
Carroll.	Hancock.	Muscogee.	Thomas.
Chattahoochee.	Harris.	McDuffy.	Troup.
Clarke.	Heard.	Newton.	Twiggs.
Clay.	Henry.	Oconee.	Upson.
Clayton.	Houston.	Oglethorpe.	Walton.
Coffee.	Irwin.	Pike.	Warren.
Colquitt.	Jasper.	Pulaski.	Washington.
Columbia.	Jefferson.	Putnam.	Webster.
Coweta.	Johnson.	Quitman.	Wilcox.
Crawford.	Jones.	Randolph.	Wilkes.
Decatur.	Laurens.	Richmond.	Wilkinson.
Dodge.	Lee.	Rockdale.	Worth.

IDAHO.

The territory forms one group.

ILLINOIS.

Group 1.

Cook. Lake.

Group 2.

Adams.	Hardin.	Madison.	Pulaski.
Alexander.	Henderson.	Massac.	Randolph.
Calhoun.	Jackson.	Mercer.	Rock Island.
Carroll.	Jersey.	Monroe.	Saint Clair.
Gallatin.	Jo Daviess.	Pike.	Union.
Hancock.	Johnson.	Pope.	Whiteside.

Group 3.

Bond.	Effingham.	Livingston.	Richland.
Boone.	Fayette.	Logan.	Saline.
Brown.	Ford.	Macon.	Sangamon.
Bureau.	Franklin.	Macoupin.	Schuyler.
Cass.	Fulton.	Marion.	Scott.
Champaign.	Greene.	Marshall.	Shelby.
Christian.	Grundy.	Mason.	Stark.
Clark.	Hamilton.	Menard.	Stephenson.
Clay.	Henry.	Montgomery.	Tazewell.
Clinton.	Iroquois.	Morgan.	Vermilion.
Coles.	Jasper.	Moultrie.	Wabash.
Crawford.	Jefferson.	McDonough.	Warren.
Cumberland.	Kane.	McHenry.	Washington.
De Kalb.	Kankakee.	McLean.	Wayne.
De Witt.	Kendall.	Ogle.	White.
Douglas.	Knox.	Peoria.	Will.
Du Page.	La Salle.	Perry.	Williamson.
Edgar.	Lawrence.	Piatt.	Winnebago.
Edwards.	Lee.	Putnam.	Woodford.

INDIANA.

Group 1.

Lake. La Porte. Porter.

Group 2.

Clark.	Harrison.	Perry.	Spencer.
Crawford.	Jefferson.	Pike.	Switzerland.
Dearborn.	Jennings.	Posey.	Vanderburgh.
Dubois.	Ohio.	Ripley.	Warrick.
Floyd.	Orange.	Scott.	Washington.
Gibson.			

Group 3.

Adams.	Fountain.	Lagrange.	Rush.
Allen.	Franklin.	Lawrence.	Saint Joseph.
Bartholomew.	Fulton.	Madison.	Shelby.
Benton.	Grant.	Marion.	Starke.
Blackford.	Greene.	Marshall.	Steuben.
Boone.	Hamilton.	Martin.	Sullivan.
Brown.	Hancock.	Miami.	Tippecanoe.
Carroll.	Hendricks.	Monroe.	Tipton.
Cass.	Henry.	Montgomery.	Union.
Clay.	Howard.	Morgan.	Vermillion.
Clinton.	Huntington.	Newton.	Vigo.
Daviess.	Jackson.	Noble.	Wabash.
Decatur.	Jasper.	Owen.	Warren.
De Kalb.	Jay.	Parke.	Wayne.
Delaware.	Johnson.	Pulaski.	Wells.
Elkhart.	Kosciusko.	Putnam.	White.
Fayette.	Knox.	Randolph.	Whitley.

IOWA.

Group 1.

Allamakee.
Clayton.
Clinton.
Des Moines.
Dubuque.
Jackson.
Lee.
Louisa.
Muscatine.
Scott.

Group 2.

Adair.
Adams.
Appanoose.
Audubon.
Benton.
Black Hawk.
Boone.
Bremer.
Buchanan.
Buena Vista.
Butler.
Calhoun.
Carroll.
Cass.
Cedar.
Cerro Gordo.
Cherokee.
Chickasaw.
Clarke.
Clay.
Crawford.
Dallas.
Davis.
Decatur.
Delaware.
Dickinson.
Emmet.
Fayette.
Floyd.
Franklin.
Greene.
Grundy.
Guthrie.
Hamilton.
Hancock.
Hardin.
Henry.
Howard.
Humboldt.
Ida.
Iowa.
Jasper.
Jefferson.
Johnson.
Jones.
Keokuk.
Kossuth.
Linn.
Lucas.
Madison.
Mahaska.
Marion.
Marshall.
Mitchell.
Monroe.
Montgomery.
O'Brien.
Osceola.
Page.
Palo Alto.
Pocahontas.
Polk.
Poweshiek.
Ringgold.
Sac.
Shelby.
Story.
Tama.
Taylor.
Union.
Van Buren.
Wapello.
Warren.
Washington.
Wayne.
Webster.
Winnebago.
Winneshiek.
Worth.
Wright.

Group 3.

Fremont.
Harrison.
Lyon.
Mills.
Monona.
Plymouth.
Pottawattamie.
Sioux.
Woodbury.

KANSAS.

Group 1.

Allen.
Anderson.
Atchison.
Bourbon.
Brown.
Butler.
Crawford.
Chase.
Chautauqua.
Cherokee.
Clay.
Cloud.
Coffey.
Crowley.
Davis.
Dickinson.
Doniphan.
Douglas.
Elk.
Ellsworth.
Franklin.
Greenwood.
Harper.
Harvey.
Jackson.
Jefferson.
Jewell.
Johnson.
Kingman.
Labette.
Leavenworth.
Lincoln.
Linn.
Lyon.
Marion.
Marshall.
Miami.
Mitchell.
Montgomery.
Morris.
McPherson.
Nemaha.
Neosho.
Osage.
Ottawa.
Pottawatomie.
Reno.
Republic.
Rice.
Riley.
Saline.
Sedgwick.
Shawnee.
Sumner.
Wabaunsee.
Washington.
Wilson.
Woodson.
Wyandotte.

Group 2.

Arapahoe.
Barbour.
Barton.
Buffalo.
Cheyenne.
Clark.
Comanche.
Decatur.
Edwards.
Ellis.
Foote.
Ford.
Gove.
Graham.
Grant.
Greeley.
Hamilton.
Hodgeman.
Kansas.
Kearney.
Lane.
Meade.
Ness.
Norton.
Osborne.
Pawnee.
Phillips.
Pratt.
Rawlins.
Rooks.
Rush.
Russell.
Scott.
Seward.
Sequoyah.
Sheridan.
Sherman.
Smith.
Stafford.
Stevens.
Stanton.
Thomas.
Trego.
Wallace.
Wichita.

KENTUCKY.

Group 1.

Bell.
Boyd.
Breathitt.
Carter.
Clay.
Clinton.
Elliott.
Estill.
Floyd.
Harlan.
Jackson.
Johnson.
Knox.
Laurel.
Lawrence.
Lee.
Leslie.
Letcher.
Magoffin.
Martin.
Menifee.
Morgan.
Owsley.
Perry.
Pike.
Powell.
Pulaski.
Rockcastle.
Wayne.
Whitley.
Wolfe.

Group 2.

Boone.
Bracken.
Breckinridge.
Campbell.
Carroll.
Crittenden.
Daviess.
Gallatin.
Greenup.
Hancock.
Henderson.
Jefferson.
Kenton.
Lewis.
Livingston.
Mason.
Meade.
McCracken.
Oldham.
Trimble.
Union.

Group 3.

Ballard.
Fulton.
Hickman.

Group 4.

Adair.
Allen.
Anderson.
Barren.
Bath.
Bourbon.
Boyle.
Bullitt.
Butler.
Caldwell.
Calloway.
Casey.
Christian.
Clark.
Cumberland.
Edmonson.
Fayette.
Fleming.
Franklin.
Garrard.
Grant.
Graves.
Grayson.
Green.
Hardin.
Harrison.
Hart.
Henry.
Hopkins.
Jessamine.
La Rue.
Lincoln.
Logan.
Lyon.
Madison.
Marion.
Marshall.
Mercer.
Metcalfe.
Monroe.
Montgomery.
Muhlenburgh.
McLean.
Nelson.
Nicholas.
Ohio.
Owen.
Pendleton.
Robertson.
Rowan.
Russell.
Scott.
Shelby.
Simpson.
Spencer.
Taylor.
Todd.
Trigg.
Warren.
Washington.
Webster.
Woodford.

LOUISIANA.

Group 1.

Ascension.
Assumption.
Calcasieu.
Cameron.
East Baton Rouge.
Iberia.
Iberville.
Jefferson.
La Fayette.
Lafourche.
Livingston.
Orleans.
Plaquemines.
Saint Bernard.
Saint Charles.
Saint Helena.
Saint James.
Saint John Baptist.
Saint Landry.
Saint Martin.
Saint Mary.
Saint Tammany.
Tangipahoa.
Terrebonne.
Vermillion.
Washington.
West Baton Rouge.

Group 2.

Avoyelles.
Concordia.
East Carroll.
East Feliciana.
Madison.
Point Coupée.
Tensas.
West Carroll.
West Feliciana.

Group 3.

Bienville.
Bossier.
Caddo.
Caldwell.
Catahoula.
Claiborne.
De Soto.
Franklin.
Grant.
Jackson.
Lincoln.
Morehouse.
Natchitoches.
Ouachita.
Rapides.
Red River.
Richland.
Sabine.
Union.
Vernon.
Webster.
Winn.

MAINE.

Group 1.

Androscoggin.	Kennebec.	Sagadahoc.	Washington.
Cumberland.	Knox.	Waldo.	York.
Hancock.	Lincoln.		

Group 2.

Aroostook.	Oxford.	Piscataquis.	Somerset.
Franklin.	Penobscot.		

MARYLAND.

Group 1.

Anne Arundel.	Cecil.	Kent.	Somerset.
Baltimore.	Charles.	Montgomery.	Talbot.
Calvert.	Dorchester.	Prince George.	Wicomico.
Caroline.	Harford.	Queen Anne.	Worcester.
Carroll.	Howard.	Saint Mary's.	

Group 2.

Allegany.	Frederick.	Garrett.	Washington.

MASSACHUSETTS.

Group 1.

Barnstable.	Essex.	Nantucket.	Plymouth.
Bristol.	Middlesex.	Norfolk.	Suffolk.
Dukes.			

Group 2.

Berkshire.	Hampden.	Hampshire.	Worcester.
Franklin.			

MICHIGAN.

Group 1.

Alcona.	Chippewa.	Mackinac.	Ontonagon.
Allegan.	Delta.	Macomb.	Ottawa.
Alpena.	Emmet.	Manistee.	Presque Isle.
Antrim.	Grand Traverse.	Manitou.	Sanilac.
Baraga.	Houghton.	Marquette.	Saginaw.
Bay.	Huron.	Mason.	Schoolcraft.
Benzie.	Iosco.	Menominee.	Saint Clair.
Berrien.	Isle Royale.	Monroe.	Tuscola.
Charlevoix.	Keweenaw.	Muskegon.	Van Buren.
Cheboygan.	Leelanaw.	Oceana.	Wayne.

Group 2.

Barry.	Gratiot.	Lapeer.	Ogemaw.
Branch.	Hillsdale.	Lenawee.	Osceola.
Calhoun.	Ingham.	Livingston.	Oscoda.
Cass.	Ionia.	Mecosta.	Otsego.
Clare.	Isabella.	Midland.	Roscommon.
Clinton.	Jackson.	Missaukee.	Shiawassee.
Crawford.	Kalamazoo.	Montcalm.	Saint Joseph.
Eaton.	Kalkaska.	Montmorency.	Washtenaw.
Genesee.	Kent.	Newaygo.	Wexford.
Gladwin.	Lake.	Oakland.	

MINNESOTA.

Group 1.

Anoka.
Benton.
Crow Wing.
Dakota.
Goodhue.
Hennepin.
Houston.
Morrison.
Ramsey.
Stearns.
Sherburne.
Wabasha.
Washington.
Winona.
Wright.

Group 2.

Big Stone.
Blue Earth.
Brown.
Carver.
Chippewa.
Chisago.
Cottonwood.
Dodge.
Douglas.
Faribault.
Fillmore.
Freeborn.
Grant.
Isanti.
Jackson.
Kanabec.
Kandiyohi.
Lac-qui-parle.
Le Sueur.
Lincoln.
Lyon.
Martin.
Meeker.
Mille Lacs.
Mower.
Murray.
McLeod.
Nicollet.
Nobles.
Olmsted.
Pipe Stone.
Pope.
Redwood.
Renville.
Rice.
Rock.
Scott.
Sibley.
Steele.
Stevens.
Swift.
Todd.
Traverse.
Watonwan.
Waseca.
Yellow Medicine.

Group 3.

Aitkin.
Becker.
Beltrami.
Carlton.
Cass.
Clay.
Cook.
Itasca.
Kittson.
Lake.
Marshall.
Otter Tail.
Pine.
Polk.
Saint Louis.
Wadena.
Wilkin.

MISSISSIPPI.

Group 1.

Hancock.
Harrison.
Jackson.

Group 2.

Amite.
Alcorn.
Attala.
Benton.
Calhoun.
Carroll.
Chickasaw.
Choctaw.
Clarke.
Clay.
Copiah.
Covington.
Franklin.
Greene.
Grenada.
Hinds.
Holmes.
Itawamba.
Jasper.
Jones.
Kemper.
La Fayette.
Lauderdale.
Lawrence.
Leake.
Lee.
Lincoln.
Lowndes.
Madison.
Marshall.
Marion.
Monroe.
Montgomery.
Neshoba.
Newton.
Noxubee.
Oktibbeha.
Panola.
Pike.
Perry.
Pontotoc.
Prentiss.
Rankin.
Scott.
Simpson.
Smith.
Sumner.
Tate.
Tippah.
Tishomingo.
Union.
Wayne.
Winston.
Yalobusha.

Group 3.

Adams.
Bolivar.
Claiborne.
Coahoma.
De Soto.
Issaquena.
Jefferson.
Le Flore.
Quitman.
Sharkey.
Sunflower.
Tallahatchie.
Tunica.
Warren.
Washington.
Wilkinson.
Yazoo.

MISSOURI.

Group 1.

Bollinger.
Cape Girardeau.
Clark.
Dunklin.
Jefferson.
Lewis.
Lincoln.
Marion.
Mississippi.
New Madrid.
Pemiscot.
Perry.
Pike.
Scott.
Saint Charles.
Sainte Genevieve.
Saint Louis.
Saint Louis city.
Stoddard.
Ralls.

MISSOURI—Continued.

GROUP 2.

Barton.	Dallas.	McDonald.	Reynolds.
Barry.	Dent.	Madison.	Ripley.
Bates.	Douglas.	Maries.	Shannon.
Benton.	Greene.	Miller.	Stone.
Butler.	Henry.	Morgan.	Saint Clair.
Camden.	Hickory.	Newton.	Taney.
Carter.	Howell.	Oregon.	Texas.
Cass.	Iron.	Ozark.	Vernon.
Cedar.	Jasper.	Pettis.	Washington.
Christian.	Johnson.	Phelps.	Wayne.
Crawford.	Laclede.	Polk.	Webster.
Dade.	Lawrence.	Pulaski.	Wright.

GROUP 3.

Adair.	Gentry.	Macon.	Scotland.
Audrain.	Grundy.	Mercer.	Schuyler.
Caldwell.	Harrison.	Monroe.	Shelby.
Clinton.	Knox.	Nodaway.	Sullivan.
Daviess.	Linn.	Putnam.	Worth.
De Kalb.	Livingston.	Randolph.	

GROUP 4.

Andrew.	Chariton.	Holt.	Osage.
Atchison.	Clay.	Howard.	Platte.
Boone.	Cole.	Jackson.	Ray.
Buchanan.	Cooper.	La Fayette.	Saline.
Callaway.	Franklin.	Moniteau.	Saint François.
Carroll.	Gasconade.	Montgomery.	Warren.

MONTANA.

GROUP 1.

Custer.	Dawson.

GROUP 2.

Beaver Head.	Gallatin.	Lewis and Clarke.	Missoula.
Choteau.	Jefferson.	Madison.	Meagher.
Deer Lodge.			

NEBRASKA.

GROUP 1.

Adams.	Franklin.	Kearney.	Saline.
Antelope.	Furnas.	Lancaster.	Saunders.
Blackbird.	Gage.	Madison.	Seward.
Boone.	Gosper.	Merrick.	Sherman.
Butler.	Greeley.	Nance.	Stanton.
Buffalo.	Hall.	Nuckolls.	Thayer.
Clay.	Hamilton.	Pawnee.	Valley.
Colfax.	Harlan.	Phelps.	Wayne.
Cuming.	Howard.	Pierce.	Webster.
Dodge.	Jefferson.	Platte.	York.
Fillmore.	Johnson.	Polk.	

GROUP 2.

Burt.	Dakota.	Knox.	Richardson.
Cass.	Dixon.	Nemaha.	Sarpy.
Cedar.	Douglas.	Otoe.	Washington.

GROUP 3.

Chase.	Dundy.	Holt.	Sioux.
Cheyenne.	Frontier.	Keith.	Unorganized territory.
Custer.	Hayes.	Lincoln.	
Dawson.	Hitchcock.	Red Willow.	Wheeler.

NEVADA.

Group 1.

Churchill.
Douglas.
Elko.
Esmeralda.
Eureka.
Humboldt.
Lander.
Lincoln.
Lyon.
Nye.
Ormsby.
Roop.
Storey.
Washoe.
White Pine.

NEW HAMPSHIRE.

Group 1.

Belknap.
Hillsborough.
Merrimack.
Rockingham.
Strafford.

Group 2.

Carroll.
Cheshire.
Coos.
Grafton.
Sullivan.

NEW JERSEY.

Group 1.

Atlantic.
Bergen.
Burlington.
Camden.
Cape May.
Cumberland.
Essex.
Gloucester.
Hudson.
Middlesex.
Monmouth.
Ocean.
Salem.
Union.

Group 2.

Hunterdon.
Mercer.
Morris.
Passaic.
Somerset.
Sussex.
Warren.

NEW MEXICO.

Group 1.

Colfax.
Lincoln.
Mora.
San Miguel.

Group 2.

Bernalillo.
Doña Aña.
Grant.
Rio Arriba.
Santa Aña.
Santa Fé.
Socorro.
Taos.
Valencia.

NEW YORK.

Group 1.

Kings.
New York.
Queens.
Richmond.
Rockland.
Suffolk.
Westchester.

Group 2.

Clinton.
Essex.
Franklin.
Hamilton.
Herkimer.
Saint Lawrence.
Warren.

Group 3.

Delaware.
Greene.
Orange.
Sullivan.
Ulster.

Group 4.

Chautauqua.
Erie.
Genesee.
Jefferson.
Monroe.
Niagara.
Orleans.
Oswego.
Wayne.

NEW YORK—Continued.

Group 5.

Albany.	Cortland.	Onondaga.	Schuyler.
Allegany.	Duchess.	Ontario.	Seneca.
Broome.	Fulton.	Otsego.	Steuben.
Cattaraugus.	Lewis.	Putnam.	Tioga.
Cayuga.	Livingston.	Rensselaer.	Tompkins.
Chemung.	Madison.	Saratoga.	Washington.
Chenango.	Montgomery.	Schenectady.	Wyoming.
Columbia.	Oneida.	Schoharie.	Yates.

NORTH CAROLINA.

Group 1.

Beaufort.	Craven.	Hyde.	Pender.
Bertie.	Cumberland.	Jones.	Perquimans.
Bladen.	Currituck.	Lenoir.	Pitt.
Brunswick.	Dare.	Martin.	Robeson.
Camden.	Duplin.	New Hanover.	Sampson.
Carteret.	Gates.	Onslow.	Tyrrell.
Chowan.	Greene.	Pamlico.	Washington.
Columbus.	Hertford.	Pasquotank.	Wayne.

Group 2.

Alamance.	Forsyth.	Mecklenburg.	Rowan.
Anson.	Franklin.	Montgomery.	Stanley.
Cabarrus.	Gaston.	Moore.	Stokes.
Caswell.	Granville.	Nash.	Union.
Catawba.	Guilford.	Northampton.	Warren.
Chatham.	Halifax.	Orange.	Wake.
Cleaveland.	Harnett.	Person.	Wilson.
Davidson.	Iredell.	Randolph.	Yadkin.
Davie.	Johnston.	Richmond.	
Edgecombe.	Lincoln.	Rockingham.	

Group 3.

Alexander.	Cherokee.	Macon.	Surry.
Alleghany.	Clay.	Madison.	Swain.
Ashe.	Graham.	Mitchell.	Transylvania.
Buncombe.	Haywood.	McDowell.	Watauga.
Burke.	Henderson.	Polk.	Wilkes.
Caldwell.	Jackson.	Rutherford.	Yancey.

OHIO.

Group 1.

Ashtabula.	Geauga.	Lucas.	Sandusky.
Cuyahoga.	Lake.	Ottawa.	Wood.
Erie.	Lorain.		

Group 2.

Adams.	Fayette.	Lawrence.	Pike.
Athens.	Gallia.	Meigs.	Preble.
Belmont.	Greene.	Monroe.	Ross.
Brown.	Hamilton.	Montgomery.	Scioto.
Butler.	Highland.	Morgan.	Vinton.
Clermont.	Hocking.	Noble.	Warren.
Clinton.	Jackson.	Perry.	Washington.
Fairfield.	Jefferson.	Pickaway.	

OHIO—Continued.

Group 3.

Allen.	Franklin.	Madison.	Seneca.
Ashland.	Fulton.	Mahoning.	Shelby.
Auglaize.	Guernsey.	Marion.	Stark.
Carroll.	Hancock.	Medina.	Summit.
Champaign.	Hardin.	Mercer.	Trumbull.
Clarke.	Harrison.	Miami.	Tuscarawas.
Columbiana.	Henry.	Morrow.	Union.
Coshocton.	Holmes.	Muskingum.	Van Wert.
Crawford.	Huron.	Paulding.	Wayne.
Darke.	Knox.	Portage.	Williams.
Defiance.	Licking.	Putnam.	Wyandot.
Delaware.	Logan.	Richland.	

OREGON.

Group 1.

Baker.	Lake.	Union.	Wasco.
Grant.	Umatilla.		

Group 2.

Benton.	Curry.	Lane.	Polk.
Clackamas.	Douglas.	Linn.	Tillamook.
Clatsop.	Jackson.	Marion.	Washington.
Coos.	Josephine.	Multnomah.	Yam Hill.
Columbia.			

PENNSYLVANIA.

Group 1.

Adams.	Columbia.	Lebanon.	Somerset.
Bedford.	Cumberland.	Luzerne.	Snyder.
Blair.	Dauphin.	Lycoming.	Sullivan.
Bradford.	Fayette.	Mifflin.	Susquehanna.
Cambria.	Franklin.	Monroe.	Tioga.
Cameron.	Fulton.	Montour.	Union.
Carbon.	Huntingdon.	Northumberland.	Wayne.
Centre.	Indiana.	Perry.	Westmoreland.
Clearfield.	Juniata.	Pike.	Wyoming.
Clinton.	Lackawanna.	Schuylkill.	

Group 2.

Allegheny.	Clarion.	Jefferson.	Northampton.
Armstrong.	Crawford.	Lancaster.	Philadelphia.
Beaver.	Delaware.	Lawrence.	Potter.
Berks.	Elk.	Lehigh.	Venango.
Bucks.	Erie.	Mercer.	Washington.
Butler.	Forest.	Montgomery.	Warren.
Chester.	Greene.	McKean.	York.

RHODE ISLAND.

The state forms one group.

SOUTH CAROLINA.

Group 1.

Beaufort.	Colleton.	Hampton.	Marion.
Clarendon.	Georgetown.	Horry.	Williamsburgh.
Charleston.			

Group 2.

Oconee.	Pickens.

SOUTH CAROLINA—Continued.

Group 3.

Abbeville.	Darlington.	Laurens.	Spartanburgh.
Aiken.	Edgefield.	Lexington.	Sumter.
Anderson.	Fairfield.	Marlborough.	Union.
Barnwell.	Greenville.	Newberry.	York.
Chester.	Kershaw.	Orangeburgh.	
Chesterfield.	Lancaster.	Richland.	

TENNESSEE.

Group 1.

Anderson.	Franklin.	Loudon.	Scott.
Bledsoe.	Grainger.	Marion.	Sequatchie.
Blount.	Greene.	Meigs.	Sevier.
Bradley.	Grundy.	Monroe.	Sullivan.
Campbell.	Hamblen.	Moore.	Unicoi.
Carter.	Hamilton.	Morgan.	Union.
Claiborne.	Hancock.	McMinn.	Van Buren.
Cocke.	Hawkins.	Overton.	Warren.
Coffee.	James.	Polk.	Washington.
Cumberland.	Jefferson.	Putnam.	White.
De Kalb.	Johnson.	Rhea.	
Fentress.	Knox.	Roane.	

Group 2.

Benton.	Fayette.	Hardeman.	Madison.
Carroll.	Gibson.	Henderson.	McNairy.
Crockett.	Haywood.	Henry.	Weakley.
Decatur.			

Group 3.

Dyer.	Lauderdale.	Shelby.	Tipton.
Lake.	Obion.		

Group 4.

Bedford.	Hickman.	Macon.	Smith.
Cannon.	Houston.	Marshall.	Stewart.
Clay.	Humphreys.	Maury.	Sumner.
Cheatham.	Jackson.	Montgomery.	Wayne.
Davidson.	Lawrence.	Perry.	Williamson.
Dickson.	Lewis.	Robertson.	Wilson.
Giles.	Lincoln.	Rutherford.	Trousdale.
Hardin.			

TEXAS.

Group 1.

Aransas.	Fort Bend.	Jackson.	Nueces.
Bee.	Galveston.	Jasper.	Orange.
Brazoria.	Goliad.	Jefferson.	Refugio.
Calhoun.	Hardin.	Liberty.	San Patricio.
Cameron.	Harris.	Matagorda.	Victoria.
Chambers.	Hidalgo.	Newton.	Wharton.

TEXAS—Continued.

GROUP 2.

Angelina.
Anderson.
Archer.
Atascosa.
Austin.
Bandera.
Bastrop.
Bell.
Bexar.
Blanco.
Bosque.
Bowie.
Brazos.
Brown.
Burnet.
Burleson.
Caldwell.
Camp.
Cass.
Cherokee.
Clay.
Collin.
Colorado.
Comal.
Comanche.
Cooke.
Coryell.
Dallas.
Delta.
Denton.
De Witt.
Dimmit.
Duval.
Eastland.
Edwards.
Ellis.
Enciñal.
Erath.
Falls.
Fannin.
Fayette.
Franklin.
Freestone.
Frio.
Guadalupe.
Gillespie.
Gonzales.
Grayson.
Gregg.
Grimes.
Hamilton.
Harrison.
Hayes.
Henderson.
Hill.
Hopkins.
Hood.
Hunt.
Houston.
Jack.
Johnson.
Karnes.
Kaufman.
Kendall.
Kerr.
Kimble.
Lamar.
Lampasas.
Lavaca.
La Salle.
Lee.
Leon.
Llano.
Limestone.
Live Oak.
Madison.
Marion.
Mason.
Maverick.
Medina.
Menard.
Milan.
Montague.
Montgomery.
Morris.
McCulloch.
McLennan.
McMullen.
Nacogdoches.
Navarro.
Palo Pinto.
Panola.
Parker.
Polk.
Rains.
Red River.
Robertson.
Rockwall.
Rusk.
Sabine.
San Augustine.
San Jacinto.
San Saba.
Shelby.
Smith.
Somervell.
Starr.
Stephens.
Tarrant.
Titus.
Travis.
Trinity.
Tyler.
Upshur.
Uvalde.
Van Zandt.
Walker.
Waller.
Washington.
Webb.
Wilson.
Williamson.
Wichita.
Wise.
Wood.
Young.
Zapata.
Zavalla.

GROUP 3.

Andrews.
Armstrong.
Bailey.
Baylor.
Borden.
Briscoe.
Callahan.
Castro.
Carson.
Childress.
Cockran.
Coleman.
Collingsworth.
Concho.
Cottle.
Crockett.
Crosby.
Dallam.
Dawson.
Deaf Smith.
Dickens.
Donley.
El Paso.
Fisher.
Floyd.
Gaines.
Garza.
Gray.
Hale.
Hall.
Hanford.
Hardeman.
Hartley.
Haskell.
Hemphill.
Hockley.
Howard.
Hutchinson.
Jones.
Kent.
King.
Kinney.
Knox.
Lamb.
Lipscomb.
Lubbock.
Lynn.
Martin.
Mitchell.
Moore.
Motley.
Nolan.
Ochiltree.
Oldham.
Parmer.
Pecos.
Potter.
Presidio.
Randall.
Roberts.
Runnels.
Scurry.
Shackelford.
Sherman.
Stonewall.
Swisher.
Taylor.
Terry.
Throckmorton.
Tom Green.
Wheeler.
Wilbarger.
Yoakum.

UTAH.

The territory forms one group.

VERMONT.

The state forms one group.

VIRGINIA.

Group 1.

Accomac.
Charles City.
Elizabeth City.
Essex.
Gloucester.
Isle of Wight.
James City.
King George.
King William.
King and Queen.
Lancaster.
Mathews.
Middlesex.
Nansemond.
New Kent.
Norfolk.
Northampton.
Northumberland.
Princess Anne.
Prince George.
Richmond.
Southampton.
Surry.
Sussex.
Warwick.
Westmoreland.
York.

Group 2.

Alexandria.
Amelia.
Appomattox.
Brunswick.
Buckingham.
Campbell.
Caroline.
Charlotte.
Chesterfield.
Culpeper.
Cumberland.
Dinwiddie.
Fairfax.
Fauquier.
Fluvanna.
Goochland.
Greenville.
Halifax.
Hanover.
Henrico.
Henry.
Loudoun.
Louisa.
Lunenburg.
Mecklenburg.
Nottoway.
Orange.
Pittsylvania.
Powhatan.
Prince Edward.
Prince William.
Spotsylvania.
Stafford.

Group 3.

Albemarle.
Alleghany.
Amherst.
Augusta.
Bath.
Bedford.
Bland.
Botetourt.
Buchanan.
Carroll.
Clarke.
Craig.
Floyd.
Franklin.
Frederick.
Grayson.
Giles.
Greene.
Highland.
Lee.
Madison.
Montgomery.
Nelson.
Page.
Patrick.
Pulaski.
Rappahannock.
Roanoke.
Rockbridge.
Rockingham.
Russell.
Scott.
Shenandoah.
Smyth.
Tazewell.
Warren.
Washington.
Wise.
Wythe.

WASHINGTON.

Group 1.

Columbia.
Klikitat.
Spokane.
Stevens.
Walla Walla.
Whitman.
Yakima.

Group 2.

Chehalis.
Clallam.
Clarke.
Cowlitz.
Island.
Jefferson.
King.
Kitsap.
Lewis.
Mason.
Pacific.
Pierce.
Snohomish.
Skamania.
Thurston.
Wahkiakum.
San Juan.
Whatcom.

WEST VIRGINIA.

Group 1.

Barbour.
Berkeley.
Boone.
Braxton.
Clay.
Fayette.
Grant.
Greenbrier.
Hampshire.
Hardy.
Harrison.
Jefferson.
Lewis.
Logan.
McDowell.
Marion.
Mercer.
Mineral.
Monongalia.
Morgan.
Monroe.
Nicholas.
Pendleton.
Pocahontas.
Preston.
Raleigh.
Randolph.
Summers.
Taylor.
Tucker.
Upshur.
Webster.
Wyoming

WEST VIRGINIA—Continued.

GROUP 2.

Brooke.	Jackson.	Ohio.	Tyler.
Cabell.	Kanawha.	Pleasants.	Wayne.
Calhoun.	Lincoln.	Putnam.	Wetzel.
Doddridge.	Marshall.	Ritchie.	Wirt.
Gilmer.	Mason.	Roane.	Wood.
Hancock.			

WISCONSIN.

GROUP 1.

Brown.	Kenosha.	Milwaukee.	Racine.
Door.	Manitowoc.	Ozaukee.	Sheboygan.
Kewaunee.			

GROUP 2.

Buffalo.	La Crosse.	Pierce.	Trempealeau.
Crawford.	Pepin.	Saint Croix.	Vernon.
Grant.			

GROUP 3.

Adams.	Green.	Marquette.	Walworth.
Calumet.	Green Lake.	Monroe.	Washington.
Columbia.	Iowa.	Richland.	Winnebago.
Dane.	Jefferson.	Rock.	Waukesha.
Dodge.	Juneau.	Sauk.	Waushara.
Fond du Lac.	La Fayette.		

GROUP 4.

Ashland.	Douglas.	Marathon.	Price.
Barron.	Dunn.	Marinette.	Shawano.
Bayfield.	Eau Claire.	Oconto.	Taylor.
Burnett.	Jackson.	Outagamie.	Waupaca.
Chippewa.	Langlade.	Polk.	Wood.
Clark.	Lincoln.	Portage.	

WYOMING TERRITORY.

GROUP 1.

Laramie.

GROUP 2.

Albany.	Crook.	Sweetwater.	Uinta.
Carbon.	Johnson.		

The grand groups to which reference has been made above are composed of these state groups.

It seems necessary here to give only the composition of Grand Groups I, IV, and VII.

Grand Group I includes Connecticut No. 1, Maine No. 1, Massachusetts No. 1, New Hampshire No. 1, Rhode Island No. 1.

Grand Group IV includes Alabama No. 1, Florida and Louisiana No. 1, Mississippi No. 1, and Texas No. 1.

Grand Group VII includes Illinois No. 1, Indiana No. 1, Michigan No. 1, New York No. 4, Ohio No. 1, and Wisconsin No. 1.

TABLE CLVII.—*Deaths in the United States, by states and state groups, with distinction of sex and certain specified ages.*

States and state groups.	TOTAL DEATHS AT ALL AGES.		UNDER 1 YEAR.		UNDER 5 YEARS.	
	Males.	Females.	Males.	Females.	Males.	Females.
The United States	391, 960	364, 933	96, 894	78, 372	163, 880	138, 926
Alabama: Total	8, 842	9, 087	2, 411	2, 085	4, 208	3, 736
Group 1	528	506	90	100	156	160
Group 2	2, 641	2, 811	754	633	1, 296	1, 151
Group 3	5, 673	5, 770	1, 567	1, 352	2, 756	2, 425
Arizona: Total	207	84	30	26	42	38
Arkansas: Total	7, 741	7, 071	1, 874	1, 621	3, 449	3, 077
Group 1	1, 361	1, 157	297	249	555	476
Group 2	6, 380	5, 914	1, 577	1, 372	2, 894	2, 601
California: Total	7, 395	4, 135	1, 233	959	1, 849	1, 518
Group 1	2, 506	1, 269	270	211	455	409
Group 2	4, 889	2, 866	963	748	1, 394	1, 109
Colorado: Total	1, 610	937	238	209	492	417
Group 1	697	465	124	98	253	209
Group 2	913	472	114	111	239	208
Connecticut: Total	4, 629	4, 550	898	691	1, 416	1, 167
Group 1	2, 741	2, 753	510	428	857	744
Group 2	1, 888	1, 797	388	263	559	423
Dakota: Total	743	561	158	122	303	253
Group 1	345	304	81	63	157	130
Group 2	264	182	67	41	127	92
Group 3	134	75	10	18	19	31
Delaware: Total	1, 113	1, 099	276	253	433	429
District of Columbia: Total	2, 110	2, 082	692	591	1, 007	944
Florida: Total	1, 619	1, 540	321	301	623	588
Georgia: Total	10, 782	10, 767	3, 022	2, 532	5, 453	4, 648
Group 1	1, 197	1, 102	312	271	547	471
Group 2	2, 602	2, 593	806	657	1, 300	1, 092
Group 3	6, 983	7, 072	1, 904	1, 604	3, 606	3, 085
Idaho: Total	201	122	25	23	48	55
Illinois: Total	23, 698	21, 319	6, 040	4, 931	10, 635	8, 936
Group 1	6, 133	5, 303	2, 122	1, 620	3, 397	2, 833
Group 2	4, 616	4, 017	1, 071	889	1, 855	1, 560
Group 3	12, 949	11, 999	2, 847	2, 422	5, 383	4, 543
Indiana: Total	15, 971	15, 242	3, 861	3, 134	6, 553	5, 684
Group 1	422	410	92	74	167	140
Group 2	3, 548	3, 210	791	611	1, 420	1, 228
Group 3	12, 001	11, 622	2, 978	2, 449	4, 966	4, 316
Iowa: Total	10, 187	9, 190	2, 228	1, 715	4, 257	3, 418
Group 1	1, 903	1, 647	362	325	677	582
Group 2	7, 526	6, 839	1, 694	1, 236	3, 227	2, 545
Group 3	758	704	172	154	353	291
Kansas: Total	7, 921	7, 239	2, 084	1, 720	3, 871	3, 358
Group 1	6, 958	6, 363	1, 812	1, 511	3, 384	2, 942
Group 2	963	876	272	209	487	416
Kentucky: Total	11, 947	11, 771	3, 292	2, 584	5, 342	4, 533
Group 1	1, 370	1, 369	439	359	686	596
Group 2	3, 870	3, 591	1, 057	868	1, 705	1, 411
Group 3	244	203	61	44	104	66
Group 4	6, 463	6, 608	1, 735	1, 373	2, 847	2, 460
Louisiana: Total	7, 839	6, 675	1, 757	1, 491	2, 929	2, 603
Group 1	5, 338	4, 419	1, 209	1, 059	1, 969	1, 748
Group 2	759	712	149	137	285	294
Group 3	1, 742	1, 544	399	295	675	561
Maine: Total	4, 722	4, 801	565	486	1, 113	1, 036
Group 1	3, 207	3, 285	379	325	730	693
Group 2	1, 515	1, 516	186	161	383	343

TABLE CLVII.—*Deaths in the United States, by states and state groups, &c.*—Continued.

States and state groups.	TOTAL DEATHS AT ALL AGES.		UNDER 1 YEAR.		UNDER 5 YEARS.	
	Males.	Females.	Males.	Females.	Males.	Females.
Maryland: Total	8,618	8,301	2,597	2,197	4,128	3,601
Group 1	7,728	7,471	2,364	2,039	3,776	3,334
Group 2	890	830	233	158	352	267
Massachusetts: Total	16,416	16,733	4,087	3,201	6,311	5,305
Group 1	12,339	12,622	3,227	2,540	4,938	4,135
Group 2	4,077	4,111	860	661	1,373	1,170
Michigan: Total	10,407	9,336	2,442	1,904	4,093	3,354
Group 1	5,206	4,553	1,401	1,095	2,278	1,925
Group 2	5,201	4,783	1,041	809	1,815	1,429
Minnesota: Total	4,869	4,168	1,305	961	2,203	1,744
Group 1	1,818	1,441	501	350	767	585
Group 2	2,785	2,498	727	545	1,300	1,050
Group 3	266	229	77	66	136	109
Mississippi: Total	7,527	7,056	1,936	1,533	3,318	2,667
Group 1	101	70	21	11	31	20
Group 2	5,446	5,261	1,449	1,145	2,478	2,009
Group 3	1,980	1,725	466	377	809	638
Missouri: Total	19,237	17,378	5,147	4,157	8,554	7,257
Group 1	6,798	5,637	2,088	1,705	2,997	2,578
Group 2	4,561	4,497	1,190	974	2,122	1,828
Group 3	3,138	2,883	800	639	1,439	1,203
Group 4	4,740	4,361	1,069	839	1,996	1,648
Montana: Total	225	111	31	21	59	41
Group 1	18	.....	1	.....	1	.....
Group 2	207	111	30	21	58	41
Nebraska: Total	3,112	2,818	810	630	1,575	1,338
Group 1	2,116	1,946	554	442	1,119	929
Group 2	864	782	226	164	397	362
Group 3	132	90	30	24	59	47
Nevada: Total	535	193	59	52	97	82
New Hampshire: Total	2,769	2,815	377	293	650	516
Group 1	1,825	1,884	267	203	474	356
Group 2	944	931	110	90	176	160
New Jersey: Total	9,524	8,950	2,352	1,984	3,799	3,228
Group 1	7,115	6,652	1,813	1,538	2,909	2,467
Group 2	2,409	2,298	539	446	890	761
New Mexico: Total	1,347	1,089	304	260	607	539
Group 1	427	309	101	90	206	168
Group 2	920	780	203	170	401	371
New York: Total	45,952	42,380	11,335	9,179	18,127	15,314
Group 1	25,161	22,928	8,097	6,612	12,379	10,471
Group 2	1,916	1,919	323	274	615	538
Group 3	2,026	1,916	316	271	614	519
Group 4	5,067	4,559	893	677	1,536	1,243
Group 5	11,782	11,058	1,706	1,345	2,983	2,543
North Carolina: Total	10,593	10,954	2,948	2,271	5,347	4,501
Group 1	3,570	3,593	958	735	1,793	1,552
Group 2	5,706	6,082	1,593	1,270	2,903	2,449
Group 3	1,317	1,279	397	266	651	500
Ohio: Total	22,079	20,531	5,364	4,346	8,510	7,250
Group 1	3,688	3,407	970	798	1,569	1,354
Group 2	9,455	8,564	2,369	1,936	3,718	3,151
Group 3	8,936	8,560	2,025	1,612	3,223	2,745
Oregon: Total	1,034	830	199	151	351	304
Group 1	248	196	50	33	92	80
Group 2	786	634	149	118	259	224
Pennsylvania: Total	33,613	30,268	7,694	6,048	13,294	10,976
Group 1	11,831	10,285	2,425	1,834	4,756	3,721
Group 2	21,782	19,983	5,269	4,214	8,538	7,255
Rhode Island: Total	2,346	2,356	488	418	895	819

TABLE CLVII.—*Deaths in the United States, by states and state groups, &c.*—Continued.

States and state groups.	TOTAL DEATHS AT ALL AGES.		UNDER 1 YEAR.		UNDER 5 YEARS.	
	Males.	Females.	Males.	Females.	Males.	Females.
South Carolina: Total	7,609	8,119	2,022	1,755	3,706	3,345
Group 1	2,572	2,685	696	649	1,232	1,169
Group 2	171	153	50	26	76	48
Group 3	4,866	5,281	1,276	1,080	2,398	2,128
Tennessee: Total	12,800	13,119	3,492	2,821	5,753	4,882
Group 1	3,660	3,966	1,141	884	1,836	1,512
Group 2	2,422	2,533	684	563	1,144	954
Group 3	2,090	1,686	414	347	697	585
Group 4	4,628	4,934	1,253	1,027	2,076	1,831
Texas: Total	13,121	11,614	3,678	2,931	6,317	5,185
Group 1	1,124	909	276	238	432	398
Group 2	11,658	10,463	3,336	2,623	5,733	4,644
Group 3	339	242	66	70	152	143
Utah: Total	1,270	1,144	334	284	673	559
Vermont: Total	2,505	2,519	416	312	675	536
Virginia: Total	12,216	12,465	3,375	2,778	5,486	4,835
Group 1	2,776	2,605	746	633	1,195	1,064
Group 2	5,831	5,985	1,650	1,281	2,713	2,319
Group 3	3,609	3,875	979	864	1,578	1,452
Washington: Total	467	288	83	57	160	103
Group 1	203	138	43	32	84	63
Group 2	264	150	40	25	76	40
West Virginia: Total	3,781	3,637	947	810	1,695	1,428
Group 1	1,926	1,889	484	404	832	709
Group 2	1,855	1,748	463	406	863	719
Wisconsin: Total	8,592	7,419	2,047	1,528	3,429	2,734
Group 1	2,582	2,248	784	624	1,205	1,000
Group 2	1,145	912	257	174	454	336
Group 3	3,515	3,133	676	497	1,141	930
Group 4	1,350	1,126	330	233	629	468
Wyoming: Total	119	70	20	16	45	45
Group 1	34	20	6	2	14	8
Group 2	85	50	14	14	31	37

GRAND GROUPS.

The United States	391,960	364,933	96,894	78,372	163,880	138,926
Grand group 1	22,458	22,900	4,871	3,914	7,894	6,747
Grand group 2	46,003	42,837	13,988	11,666	21,699	18,709
Grand group 3	7,339	7,380	1,966	1,655	3,572	3,192
Grand group 4	8,710	7,444	1,917	1,709	3,211	2,914
Grand group 5	12,845	12,793	2,283	1,761	3,781	3,170
Grand group 6	17,156	15,329	3,513	2,709	6,612	5,263
Grand group 7	23,098	20,480	6,262	4,888	10,152	8,495
Grand group 8	45,101	43,108	10,218	8,110	17,137	14,566
Grand group 9	17,296	17,935	5,050	4,093	8,255	7,060
Grand group 10	18,728	17,113	4,680	3,761	7,706	6,509
Grand group 11	25,390	25,917	6,880	5,744	12,382	10,601
Grand group 12	6,434	5,483	1,387	1,154	2,450	2,059
Grand group 13	16,280	13,654	4,279	3,443	6,750	5,641
Grand group 14	24,341	22,418	6,502	5,264	11,424	9,634
Grand group 15	32,028	31,724	7,991	6,461	13,112	11,352
Grand group 16	39,332	35,965	9,191	7,355	17,150	14,272
Grand group 17	6,626	6,029	1,534	1,198	2,873	2,393
Grand group 18	2,744	2,077	610	511	1,191	1,022
Grand group 19	6,817	6,138	1,448	1,108	2,580	2,006
Grand group 20	7,295	4,559	1,172	977	2,220	1,943
Grand group 21	5,939	3,650	1,152	891	1,729	1,373

TABLE CLVIII.—*Deaths in the United States, by states and state groups, from ten principal causes.*

States and State groups.	Measles.	Scarlet fever.	Diphtheria.	Whooping-cough.	Enteric fever.	Diarrheal diseases.	Consumption.	Diseases of the nervous system.	Diseases of the respiratory system.	Diseases of the digestive system.
The United States	8,772	16,416	38,398	11,202	22,905	65,565	91,551	83,670	107,904	34,094
Alabama: Total	403	25	258	582	783	1,417	1,729	1,675	2,722	665
Group 1	------	------	7	17	26	86	160	180	79	43
Group 2	163	14	128	289	322	427	756	476	855	177
Group 3	240	11	123	276	435	904	813	1,019	1,788	445
Arizona: Total	------	3	3	10	11	15	18	19	33	16
Arkansas: Total	277	295	157	446	437	1,341	955	1,424	2,852	688
Group 1	34	78	20	100	36	185	175	244	459	125
Group 2	243	217	137	346	401	1,156	780	1,180	2,393	563
California: Total	33	71	370	135	298	527	1,802	1,306	1,514	567
Group 1	7	26	199	42	125	160	537	399	590	153
Group 2	26	45	171	93	173	367	1,265	907	924	414
Colorado: Total	70	46	249	34	78	146	210	182	556	92
Group 1	19	31	123	11	25	83	146	87	170	38
Group 2	51	15	126	23	53	63	64	95	386	54
Connecticut: Total	46	113	216	82	196	599	1,389	1,381	1,225	361
Group 1	35	88	135	71	93	335	824	821	763	218
Group 2	11	25	81	11	103	264	565	560	462	143
Dakota: Total	14	16	301	7	34	70	116	105	188	51
Group 1	11	15	104	4	20	39	83	50	90	29
Group 2	3	1	164	1	9	25	28	33	46	16
Group 3	------	------	33	2	5	6	5	22	52	6
Delaware: Total	7	35	82	34	76	209	357	291	286	83
District of Columbia: Total	6	42	19	88	82	570	793	515	524	219
Florida: Total	16	5	27	50	101	216	263	358	346	180
Georgia: Total	526	31	594	654	993	1,954	1,718	1,879	3,066	1,327
Group 1	26	11	122	31	51	195	233	239	273	127
Group 2	62	3	83	119	304	574	518	465	815	303
Group 3	438	17	389	504	638	1,185	967	1,175	1,978	897
Idaho: Total	2	3	55	4	12	12	22	27	46	17
Illinois: Total	641	1,369	2,422	504	1,653	4,630	4,653	5,146	7,400	2,100
Group 1	153	441	996	53	191	1,353	933	1,561	1,581	536
Group 2	76	72	320	106	383	937	917	887	1,632	437
Group 3	412	856	1,106	345	1,079	2,340	2,803	2,698	4,187	1,127
Indiana: Total	524	1,319	1,037	561	1,458	2,883	3,943	3,456	4,964	1,099
Group 1	37	18	70	10	17	69	100	94	133	34
Group 2	57	474	122	70	351	753	983	738	1,056	122
Group 3	430	827	845	481	1,090	2,061	2,860	2,624	3,775	943
Iowa: Total	177	609	2,326	144	723	1,860	1,925	1,931	2,870	856
Group 1	30	179	259	38	101	285	403	398	538	152
Group 2	120	409	1,842	94	537	1,432	1,407	1,401	2,084	645
Group 3	27	21	225	12	85	143	115	132	248	59
Kansas: Total	521	512	1,098	222	663	1,801	1,117	1,306	2,566	644
Group 1	470	428	896	213	571	1,621	988	1,163	2,299	563
Group 2	51	84	202	9	92	180	129	143	267	81
Kentucky: Total	273	378	394	551	816	1,952	3,733	2,612	3,415	958
Group 1	4	7	35	167	111	169	390	203	462	61
Group 2	101	223	137	107	237	649	1,098	889	1,006	307
Group 3	2	1	6	4	18	52	57	35	90	16
Group 4	166	147	216	273	450	1,082	2,188	1,485	1,857	574

TABLE CLVIII.—*Deaths in the United States, by states and state groups, &c.*—Continued.

States and State groups.	Measles.	Scarlet fever.	Diphtheria.	Whooping-cough.	Enteric fever.	Diarrheal diseases.	Consumption.	Diseases of the nervous system.	Diseases of the respiratory system.	Diseases of the digestive system.
Louisiana: Total	128	23	187	164	302	1,227	1,514	1,761	2,103	867
Group 1	105	22	132	121	185	893	1,170	1,271	1,125	631
Group 2	14	.....	9	10	32	103	129	165	235	93
Group 3	9	1	46	33	85	231	215	325	743	143
Maine: Total	36	286	895	56	193	433	1,829	1,136	1,045	342
Group 1	24	253	415	27	160	314	1,286	826	744	249
Group 2	12	33	480	29	33	119	543	310	301	93
Maryland: Total	76	583	623	291	475	1,754	2,381	2,062	2,040	744
Group 1	75	552	561	267	431	1,629	2,153	1,812	1,789	677
Group 2	1	31	62	24	44	125	228	250	251	67
Massachusetts: Total	84	808	1,610	290	620	2,597	5,207	3,837	4,385	1,296
Group 1	42	537	1,294	237	424	2,053	3,953	2,768	3,281	956
Group 2	42	271	316	53	196	544	1,254	1,069	1,104	340
Michigan: Total	255	528	2,002	341	547	1,463	2,613	1,902	2,432	829
Group 1	174	343	851	193	240	751	1,182	963	1,299	461
Group 2	81	185	1,151	148	307	712	1,431	999	1,133	368
Minnesota: Total	93	200	1,562	84	318	857	848	760	990	452
Group 1	34	35	286	36	114	326	355	326	431	178
Group 2	52	148	1,246	40	192	470	430	402	509	233
Group 3	7	17	30	8	12	61	63	32	50	41
Mississippi: Total	147	6	212	330	332	981	1,287	1,436	2,678	746
Group 1	3	.....	2	9	2	7	26	19	18	15
Group 2	118	5	158	257	284	735	955	1,036	2,039	516
Group 3	26	1	52	64	46	239	306	381	621	215
Missouri: Total	770	296	885	486	1,452	4,034	3,604	4,117	6,797	1,636
Group 1	144	61	226	108	323	1,389	1,319	1,655	2,079	562
Group 2	213	74	146	118	540	1,105	701	913	1,720	410
Group 3	150	56	145	143	255	629	629	674	1,059	288
Group 4	263	105	368	117	334	911	955	875	1,939	376
Montana: Total	1	25	26	.....	8	19	18	28	44	15
Group 1	.....	.....	.....	.....	2	.....	1	2	2	1
Group 2	1	25	26	.....	6	19	17	26	42	14
Nebraska: Total	152	391	1,041	41	210	522	416	442	867	240
Group 1	117	309	801	20	159	359	264	262	562	168
Group 2	35	72	219	18	48	143	131	164	268	61
Group 3	.....	10	21	3	3	20	21	16	37	11
Nevada: Total	.....	18	17	11	17	46	61	55	184	27
New Hampshire: Total	37	138	344	15	117	314	866	751	633	241
Group 1	29	113	220	13	73	223	621	511	422	150
Group 2	8	25	124	2	44	91	245	240	211	91
New Jersey: Total	52	567	510	99	280	1,648	2,630	2,941	2,549	822
Group 1	35	350	406	75	213	1,211	1,995	2,204	1,926	602
Group 2	17	217	104	24	67	437	635	737	623	220
New Mexico: Total	154	119	10	178	50	60	50	72	295	131
Group 1	45	25	3	56	13	12	6	19	92	61
Group 2	109	94	7	122	37	48	44	53	203	70
New York: Total	661	1,985	4,097	748	1,260	7,207	12,858	10,129	12,715	3,959
Group 1	345	831	1,598	458	316	4,781	6,765	4,936	7,618	2,272
Group 2	41	44	457	24	77	215	556	466	471	151
Group 3	21	188	281	54	84	232	574	472	539	126
Group 4	125	293	441	73	213	602	1,432	1,269	1,114	399
Group 5	129	629	1,320	139	570	1,377	3,531	2,986	2,943	1,011
North Carolina: Total	425	113	1,011	653	966	2,063	2.130	1,792	2,599	1,027
Group 1	195	14	286	254	253	616	555	672	715	356
Group 2	206	76	591	359	614	1,135	1,324	947	1,440	578
Group 3	24	23	134	40	99	312	251	173	444	93

TABLE CLVIII.—*Deaths in the United States, by states and state groups, &c.*—Continued.

States and State groups.	Measles.	Scarlet fever.	Diphtheria.	Whooping-cough.	Enteric fever.	Diarrheal diseases.	Consumption.	Diseases of the nervous system.	Diseases of the respiratory system.	Diseases of the digestive system.
Ohio: Total	263	1,335	2,103	502	1,376	3,715	5,912	5,738	5,045	1,974
Group 1	37	414	468	78	196	596	798	911	830	305
Group 2	140	630	539	220	564	1,705	2,860	2,488	1,921	853
Group 3	86	291	1,096	204	616	1,414	2,254	2,339	2,294	816
Oregon: Total	16	47	188	28	103	159	226	182	167	73
Group 1	6	3	90	2	20	23	43	34	48	7
Group 2	10	44	98	26	83	136	183	148	119	66
Pennsylvania: Total	400	2,241	5,483	470	1,660	4,666	8,073	8,199	8,072	2,434
Group 1	153	1,236	2,752	121	473	1,475	2,301	2,530	3,023	815
Group 2	247	1,005	2,731	349	1,187	3,191	5,772	5,669	5,049	1,619
Rhode Island: Total	1	540	230	28	84	317	691	575	511	158
South Carolina: Total	302	18	551	459	585	1,280	1,543	1,450	1,949	987
Group 1	72	3	218	202	129	328	511	551	567	303
Group 2	.....	1	6	4	36	25	25	21	51	15
Group 3	230	14	327	253	420	927	1,007	878	1,331	669
Tennessee: Total	147	80	779	477	952	2,033	3,767	2,368	3,901	1,237
Group 1	56	23	170	246	289	658	1,176	650	1,085	402
Group 2	21	19	75	51	174	385	597	453	1,095	235
Group 3	19	22	21	25	84	290	373	345	487	189
Group 4	51	16	513	155	405	700	1,621	920	1,234	411
Texas: Total	326	90	235	600	1,087	3,403	1,622	2,450	3,898	1,308
Group 1	3	5	22	66	30	172	212	304	246	114
Group 2	322	84	212	524	1,033	3,164	1,382	2,111	3,601	1,179
Group 3	1	1	1	10	24	67	28	35	51	15
Utah: Total	24	25	749	17	55	121	69	185	457	71
Vermont: Total	49	65	296	41	118	269	813	608	699	141
Virginia: Total	421	268	568	419	679	2,281	3,025	2,569	3,190	1,300
Group 1	122	39	104	56	153	609	608	576	698	271
Group 2	190	104	271	162	259	1,065	1,572	1,272	1,384	691
Group 3	109	125	193	201	267	607	845	721	1,108	338
Washington: Total	11	15	111	8	15	53	100	61	96	31
Group 1	7	8	51	6	10	34	43	26	54	14
Group 2	4	7	60	2	5	19	57	35	42	17
West Virginia: Total	112	227	513	125	232	540	969	742	939	320
Group 1	33	137	288	68	84	253	471	374	487	173
Group 2	79	90	225	57	148	287	498	368	452	147
Wisconsin: Total	91	470	1,934	133	395	1,294	1,681	1,698	2,028	757
Group 1	21	133	656	21	99	395	450	633	537	205
Group 2	17	23	235	14	74	213	189	167	310	113
Group 3	34	147	673	67	164	478	794	705	933	337
Group 4	19	167	370	31	58	208	248	193	248	102
Wyoming: Total	2	37	18	.....	3	7	5	11	23	6
Group 1	1	15	2	.....	1	3	3	1	6	2
Group 2	1	22	16	.....	2	4	2	10	17	4

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